

FIG. 1 is a block diagram of a system for processing records and fields.

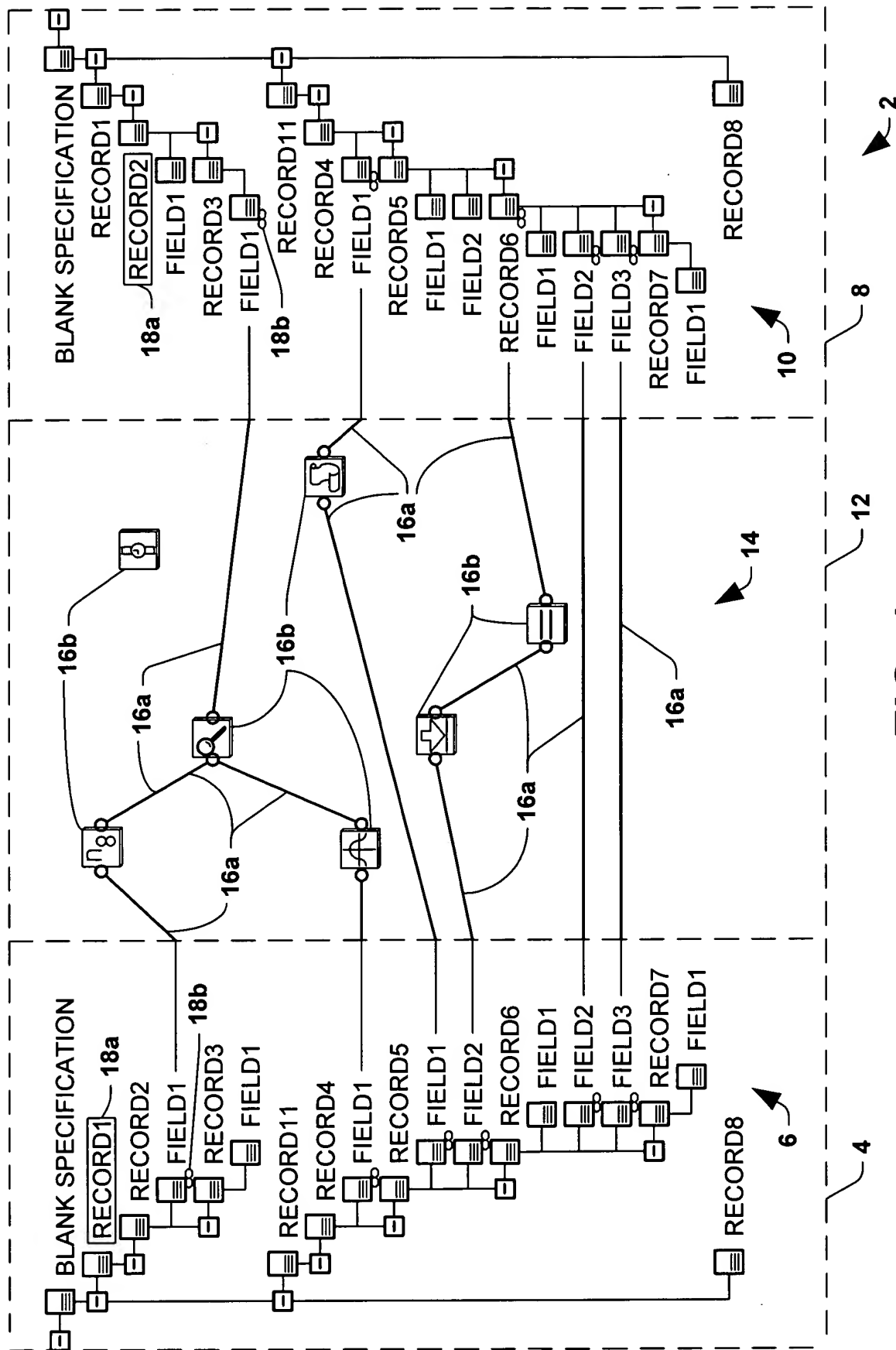


FIG. 1

FIG. 2 is a block diagram of an XSLT engine 20. The XSLT engine 20 receives a source XML document 22 and an XSLT map 28 as input. The XSLT engine 20 processes the source XML document 22 using the XSLT map 28 to generate a target XML document 24.

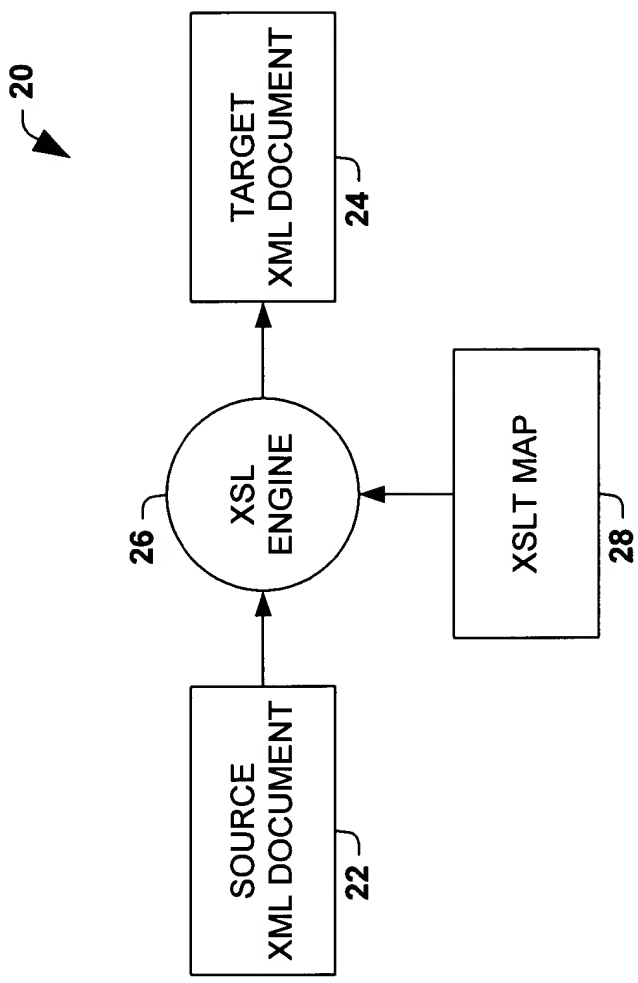


FIG. 2

FIG. 3A is a schematic diagram of a hierarchical data structure 2. The structure is divided into two main sections by a dashed line 12. The left section, labeled 4, shows a hierarchy starting with 'BLANK SPECIFICATION' (18a) at the top. Below it are 'RECORD1' and 'RECORD2'. 'RECORD2' has a sub-structure with 'FIELD1' and 'RECORD3'. 'RECORD3' has 'FIELD1'. Below 'RECORD1' is 'RECORD11'. 'RECORD11' has 'RECORD4'. 'RECORD4' has 'FIELD1'. Below 'FIELD1' is 'RECORD5'. 'RECORD5' has 'FIELD1' and 'FIELD2'. Below 'FIELD1' is 'RECORD6'. 'RECORD6' has 'FIELD1', 'FIELD2', and 'FIELD3'. Below 'FIELD3' is 'RECORD7'. 'RECORD7' has 'FIELD1'. Below 'FIELD1' is 'RECORD8'. The right section, labeled 6, shows a similar hierarchy. It starts with 'BLANK SPECIFICATION' (18a) at the top. Below it are 'RECORD1' and 'RECORD2'. 'RECORD2' has 'FIELD1' and 'RECORD3'. 'RECORD3' has 'FIELD1'. Below 'RECORD1' is 'RECORD11'. 'RECORD11' has 'RECORD4'. 'RECORD4' has 'FIELD1'. Below 'FIELD1' is 'RECORD5'. 'RECORD5' has 'FIELD1' and 'FIELD2'. Below 'FIELD1' is 'RECORD6'. 'RECORD6' has 'FIELD1', 'FIELD2', and 'FIELD3'. Below 'FIELD3' is 'RECORD7'. 'RECORD7' has 'FIELD1'. Below 'FIELD1' is 'RECORD8'. The right section also includes a label '10' pointing to the 'RECORD7' node. The entire structure is labeled '2' at the bottom right.

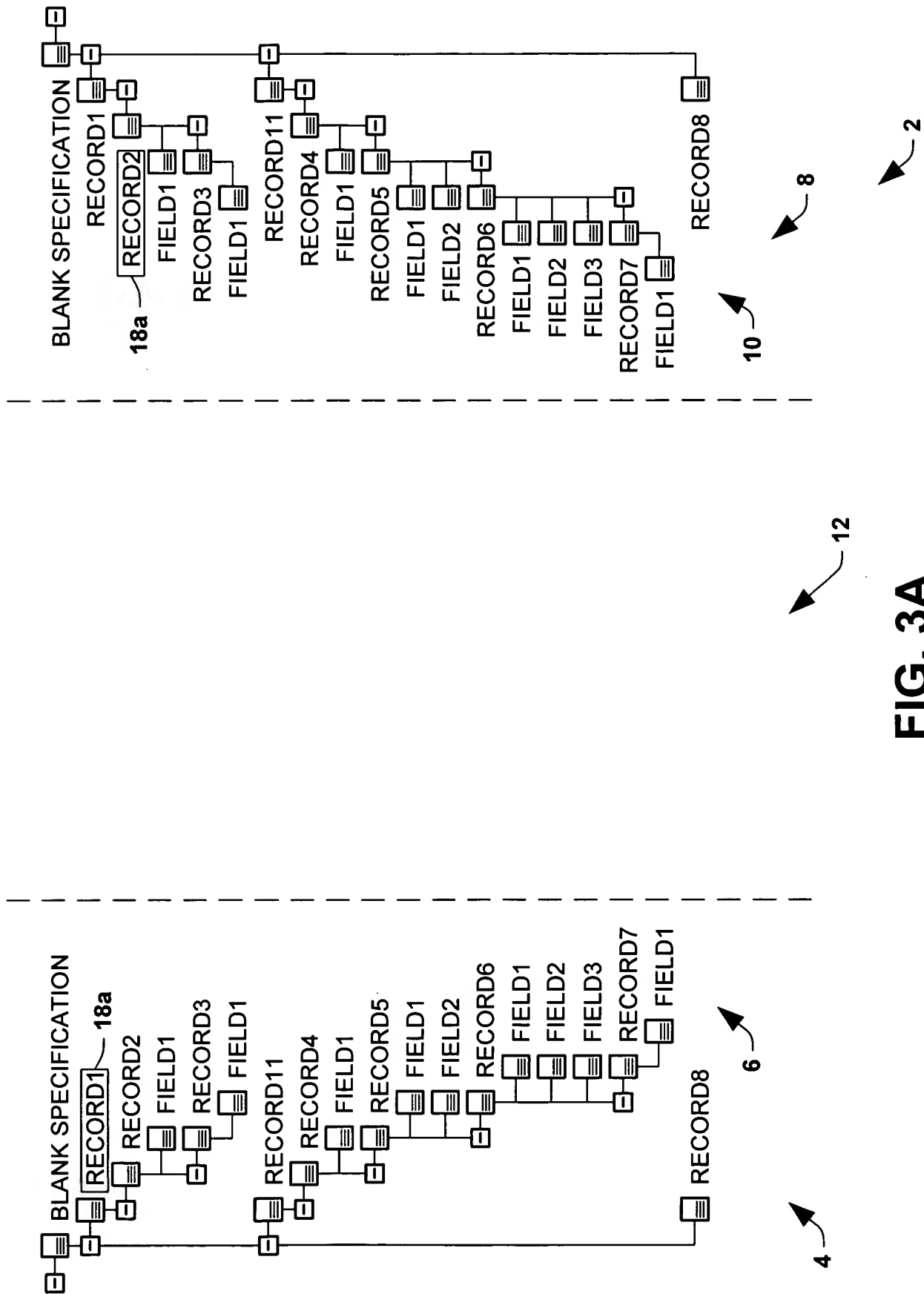


FIG. 3A

FIG. 3B is a perspective view of the device 2, showing the front surface 4, the side surface 8, and the top surface 12. The device 2 is a rectangular box with a front surface 4, a side surface 8, and a top surface 12. The front surface 4 is divided into three vertical sections by two vertical dashed lines. The side surface 8 is divided into two horizontal sections by a horizontal dashed line. The top surface 12 is divided into three vertical sections by two vertical dashed lines. The device 2 is shown in a perspective view, with the front surface 4 facing the viewer, the side surface 8 to the right, and the top surface 12 above.

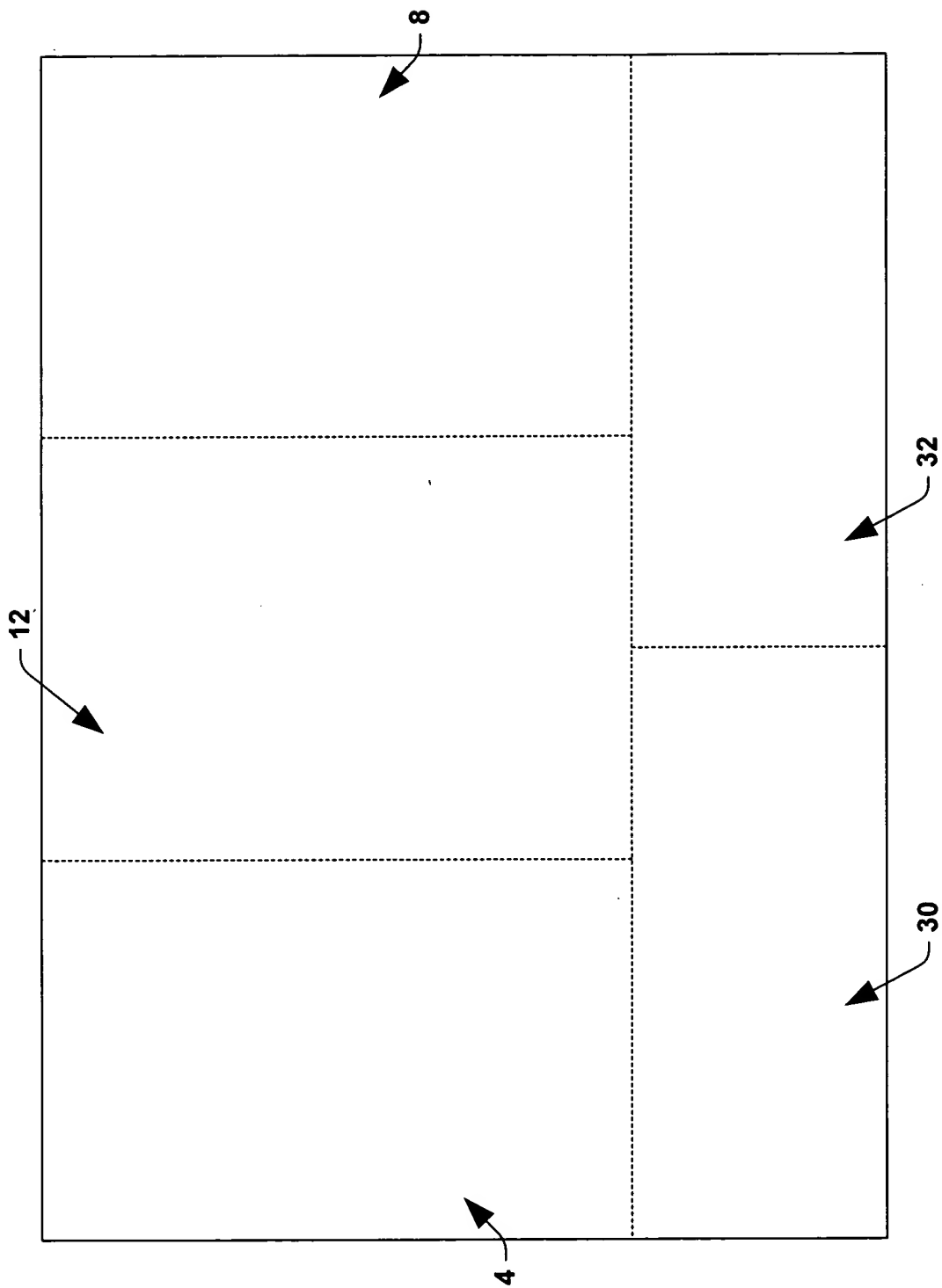


FIG. 3B

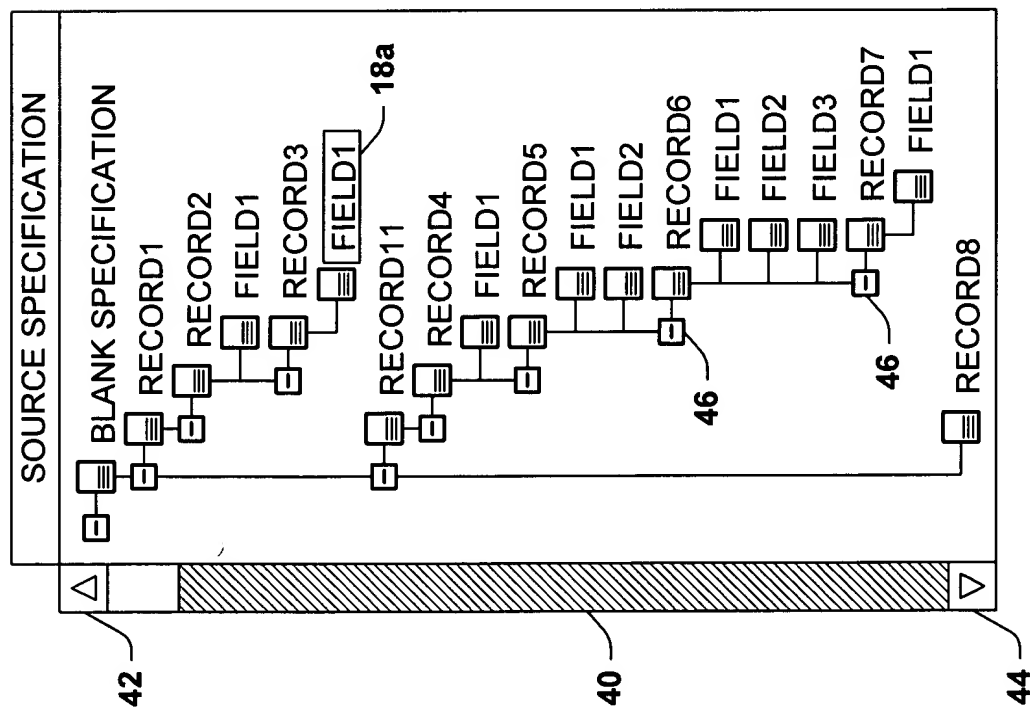
FIG. 3C is a schematic diagram of a system for processing data.

Properties		Values	Output
Source Attributes			
Property	Value	Property	Value
Name	RECORD1	Name	RECORD2
Description		Description	
Type	Element	Type	Element
Model	Closed	Model	Closed
Content	Element Only	Content	Element Only
Min Occurs		Min Occurs	
Max Occurs		Max Occurs	
▽		▽	

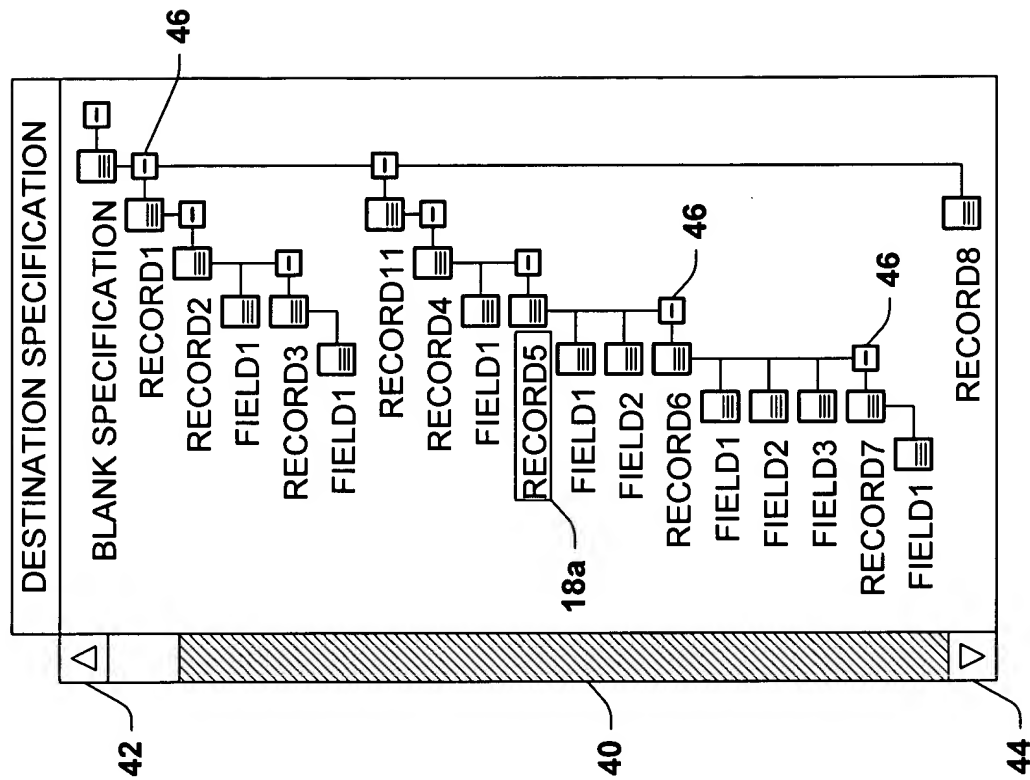
34

36

FIG. 3C



6 **FIG. 4A**



10 **FIG. 4B**

FIG. 5 is a block diagram of a system for processing data records.

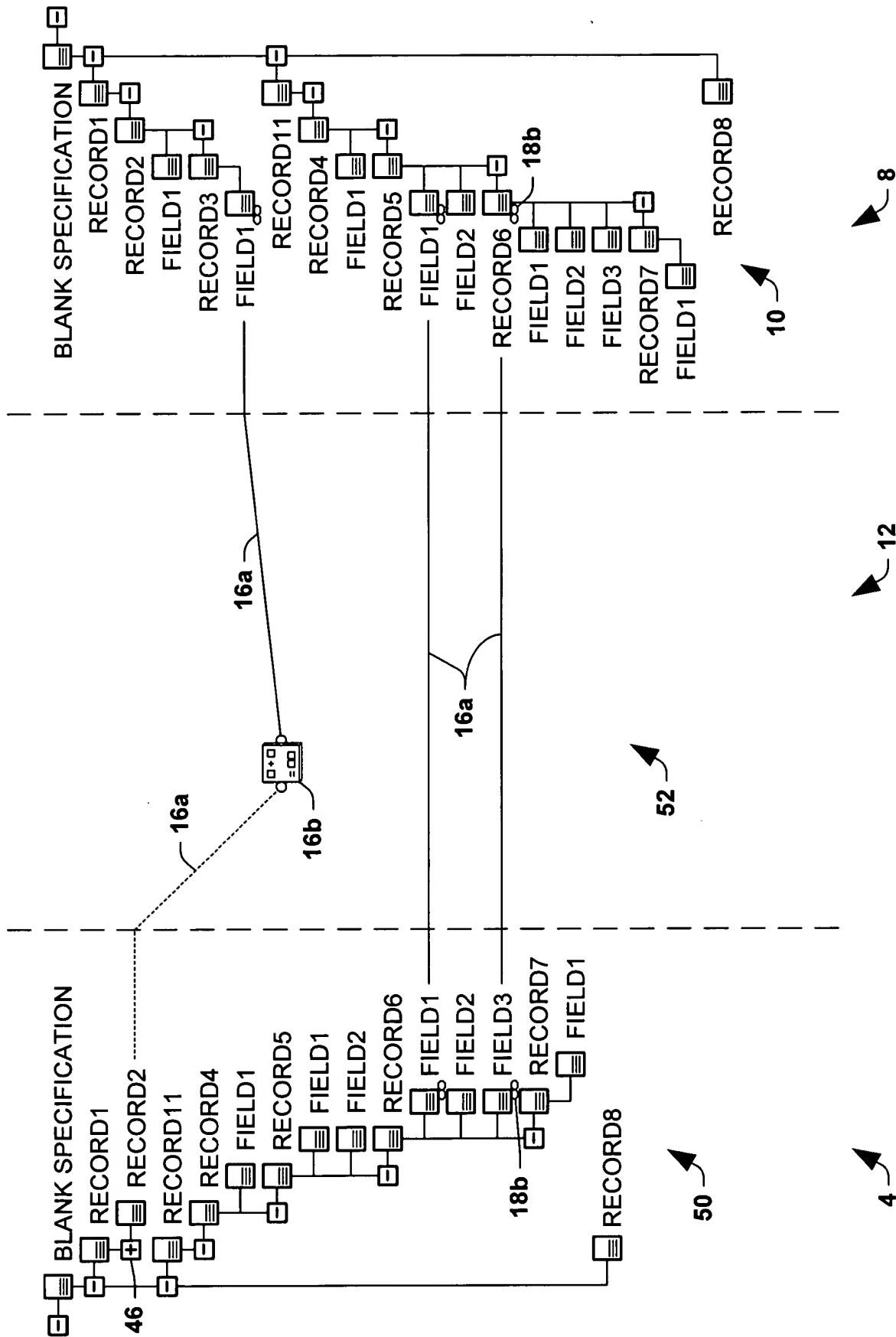


FIG. 5

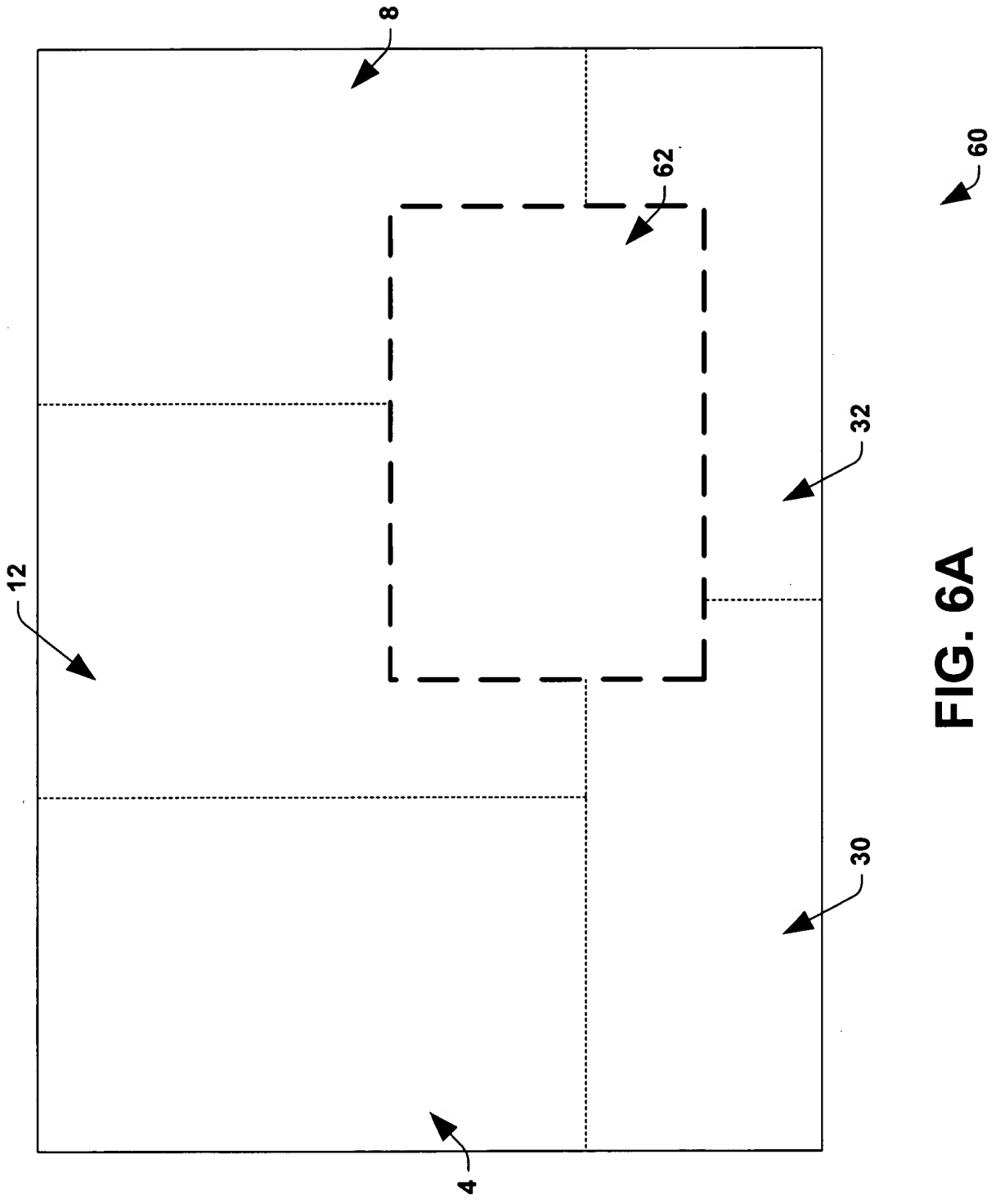


FIG. 6A

FIG. 6A is a schematic diagram of a functional palette 60. The palette 60 is a rectangular frame containing a grid of icons. The icons are arranged in four rows and eight columns. The first row contains icons for a ruler, a pencil, an eraser, a highlighter, a text tool, a selection tool, a zoom tool, and a pan tool. The second row contains icons for a line tool, a rectangle tool, a rounded rectangle tool, an ellipse tool, a polygon tool, a star tool, a freeform tool, and a lasso tool. The third row contains icons for a fill color picker, a stroke color picker, a fill pattern picker, a stroke pattern picker, a fill opacity slider, a stroke opacity slider, a fill and stroke color picker, and a fill and stroke pattern picker. The fourth row contains icons for a fill and stroke opacity slider, a fill and stroke color and pattern picker, a fill and stroke opacity and color and pattern picker, and a fill and stroke opacity, color, and pattern picker.

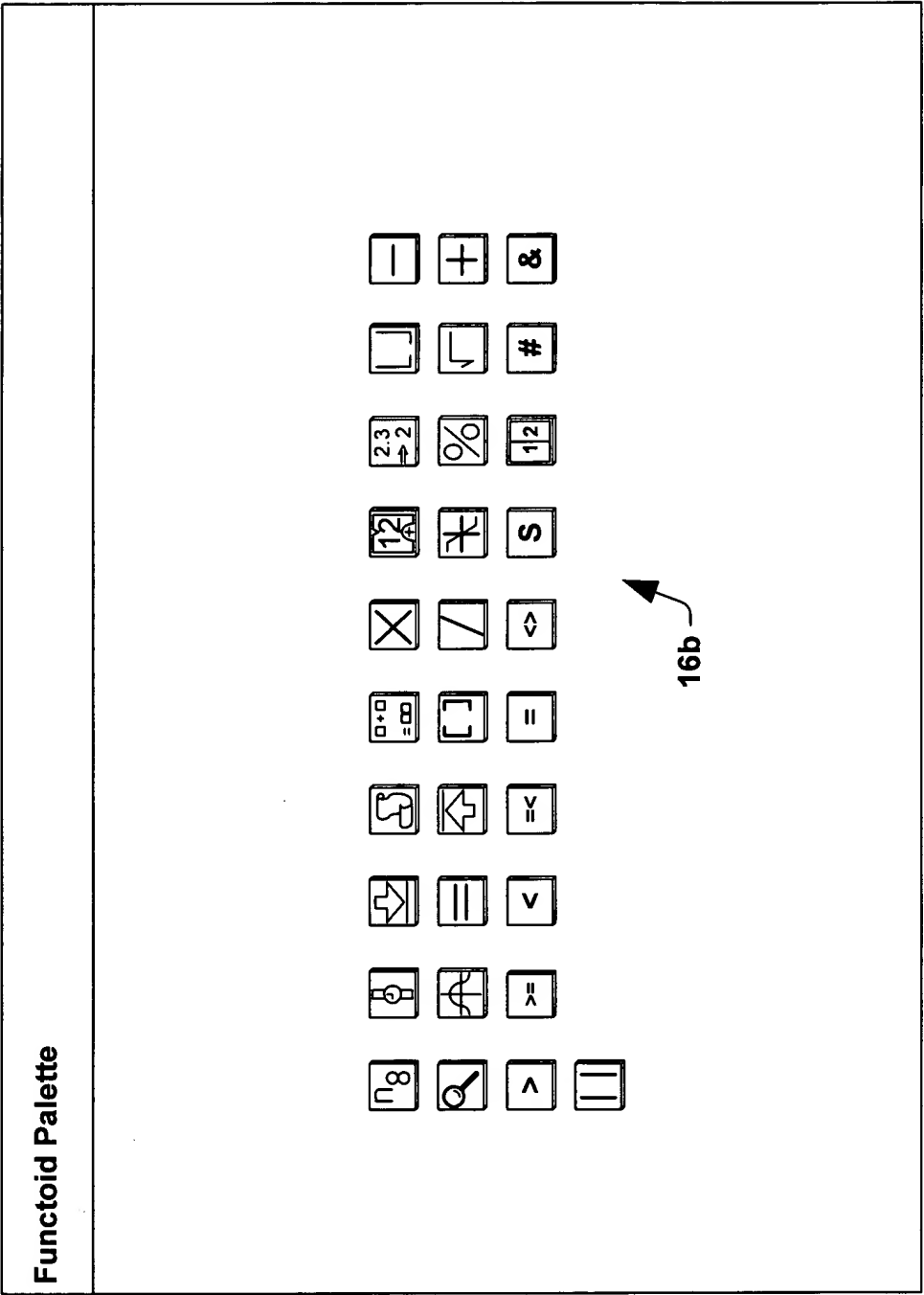


FIG. 6B

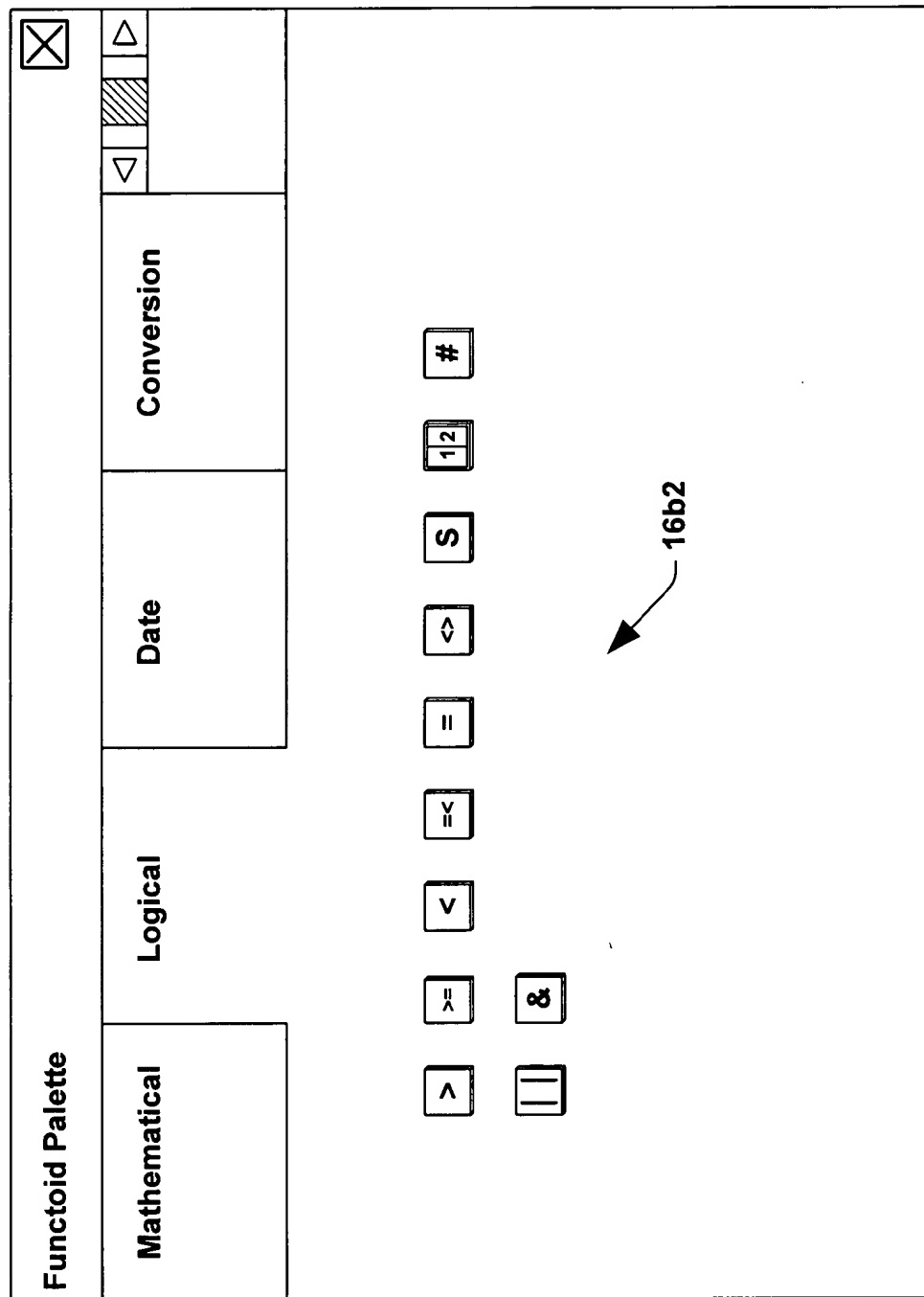


FIG. 6D

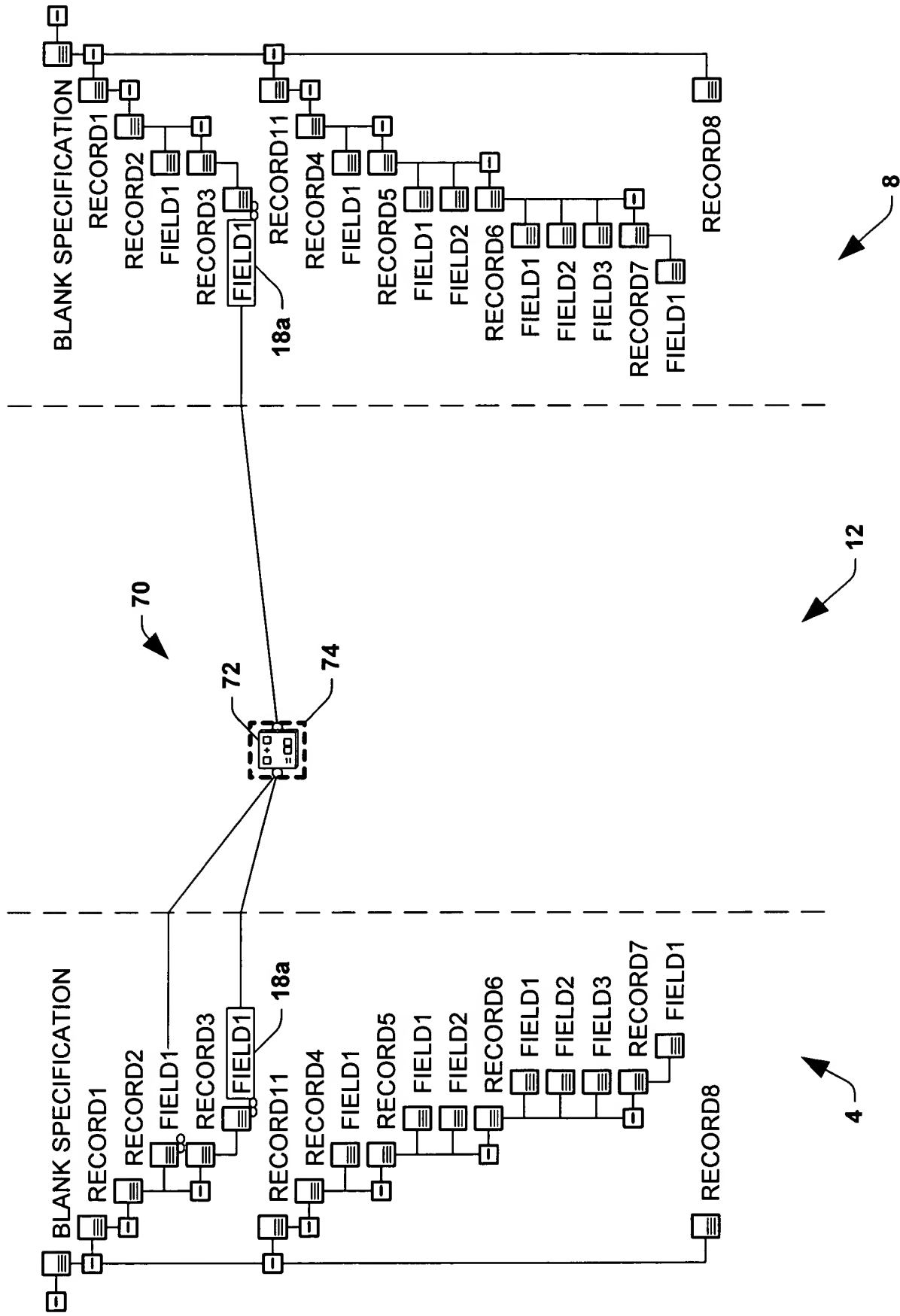


FIG. 7A

FIG. 7B is a schematic diagram of a device 800 in a perspective view. The device 800 includes a display 802, a processor 804, a memory 806, a communication interface 808, and a power source 810. The device 800 is configured to receive data from a sensor 812 and to process the data to determine a location of a user. The device 800 is further configured to provide a user interface 814 to the user. The device 800 is configured to provide a user interface 814 to the user. The device 800 is configured to provide a user interface 814 to the user.

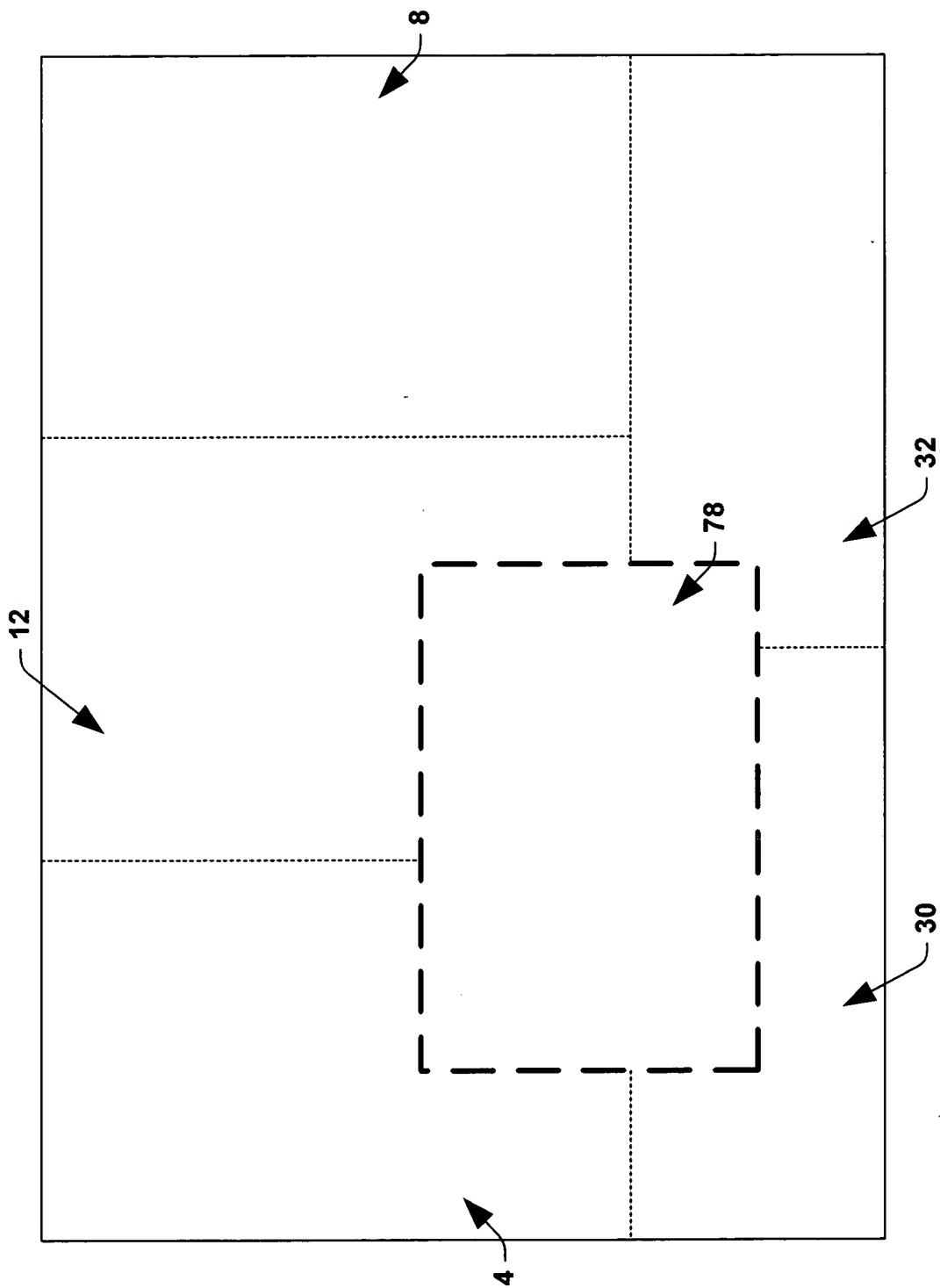


FIG. 7B

?

×

Funcoid Properties

General	Script
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Funcoid Script

Function FctStringConcat3(p_strParm0, p_strParm1, p_strParm2)
FctStringConcat3 = p_strParm0 + p_strParm1 + p_strParm2
End Function

OK

Cancel

FIG. 7D

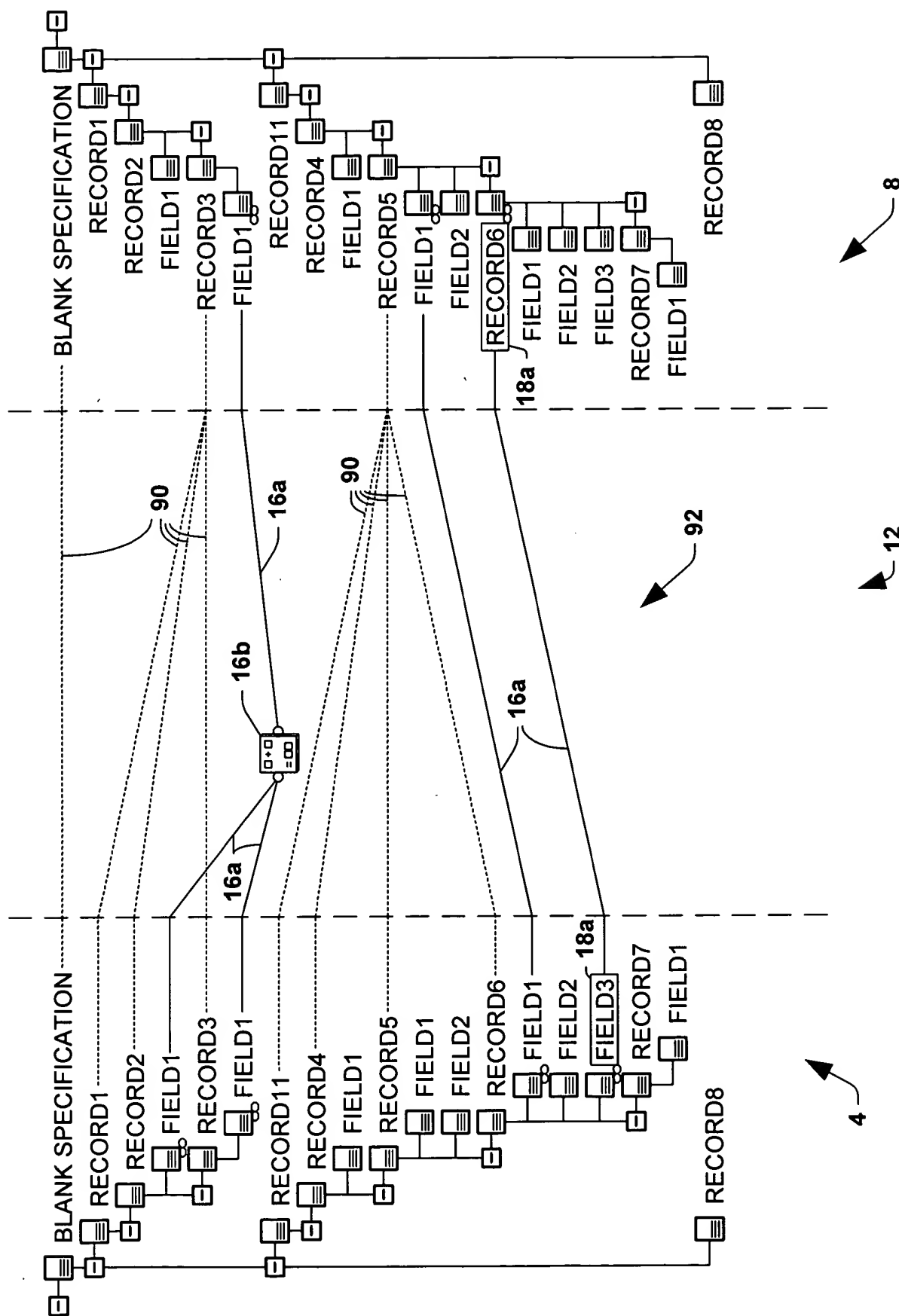


FIG. 8A

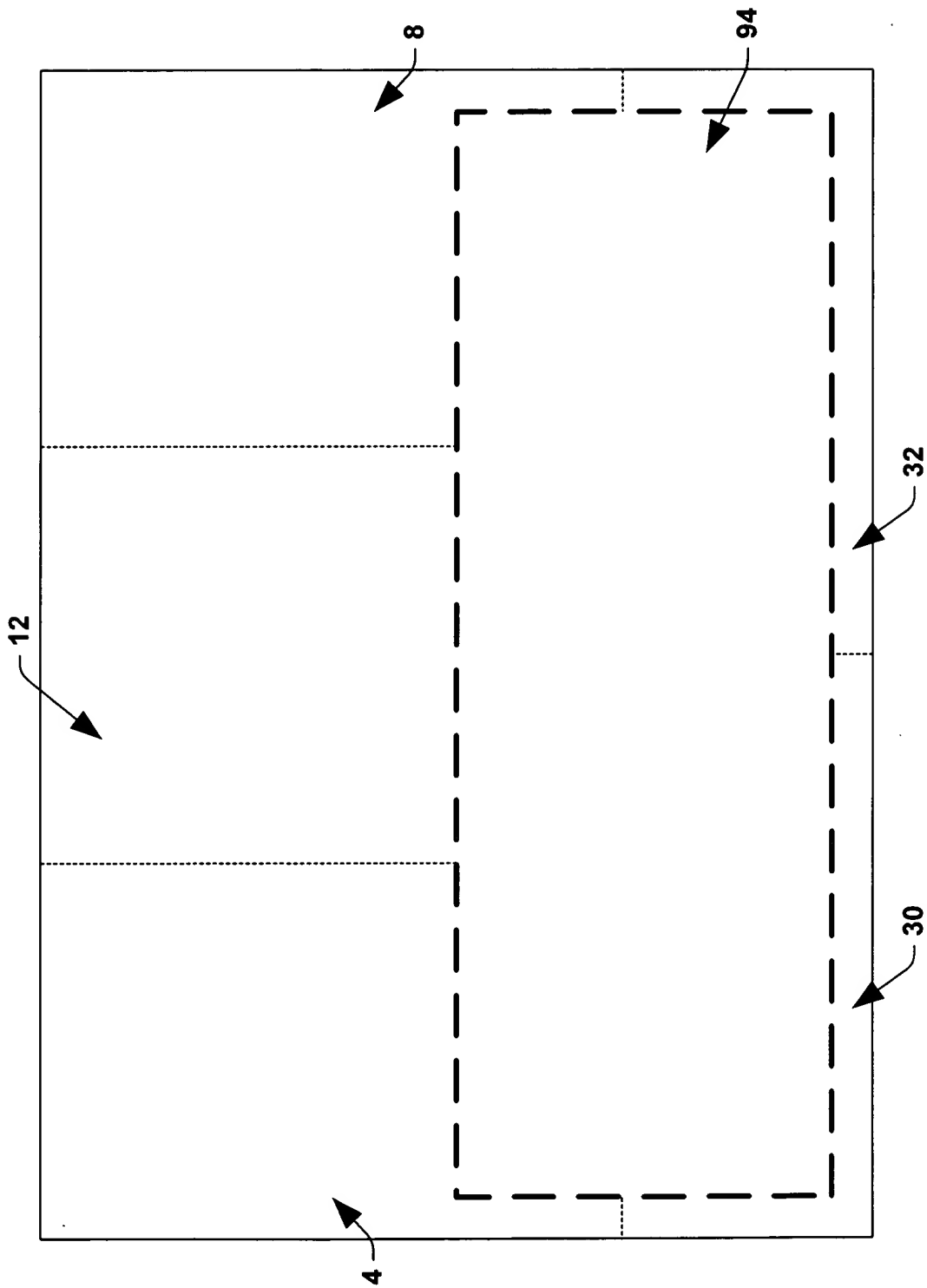


FIG. 8B

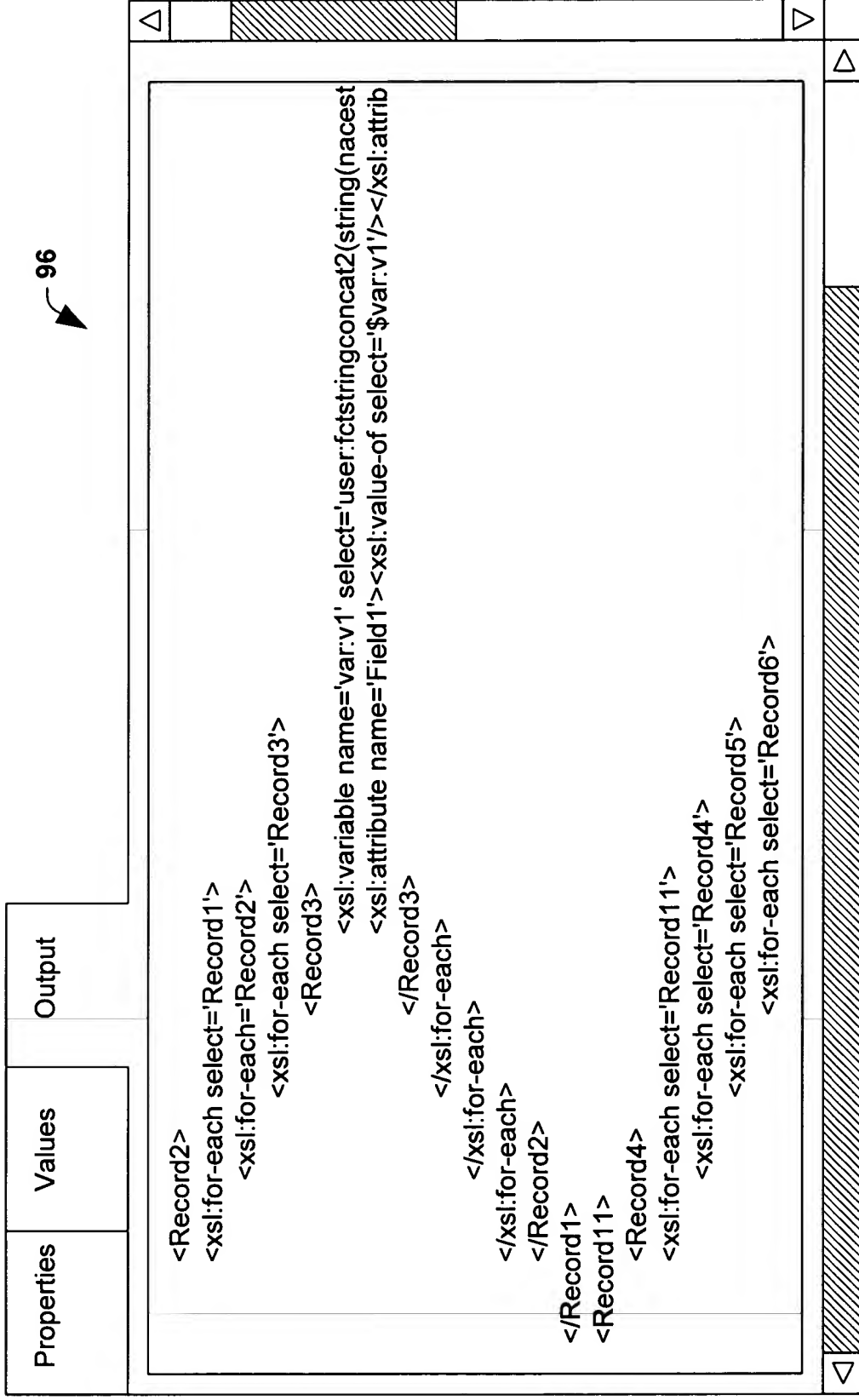


FIG. 8C

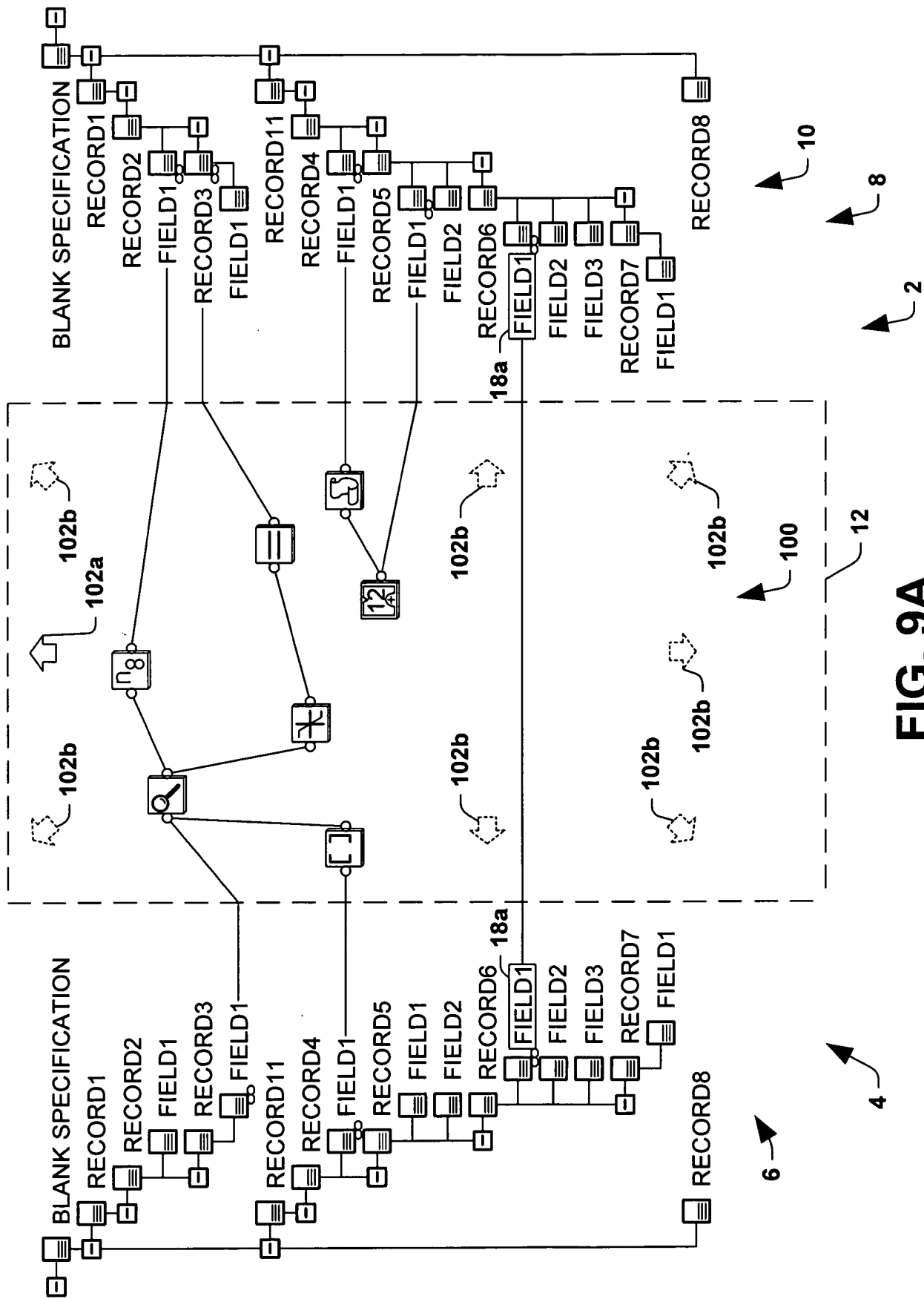
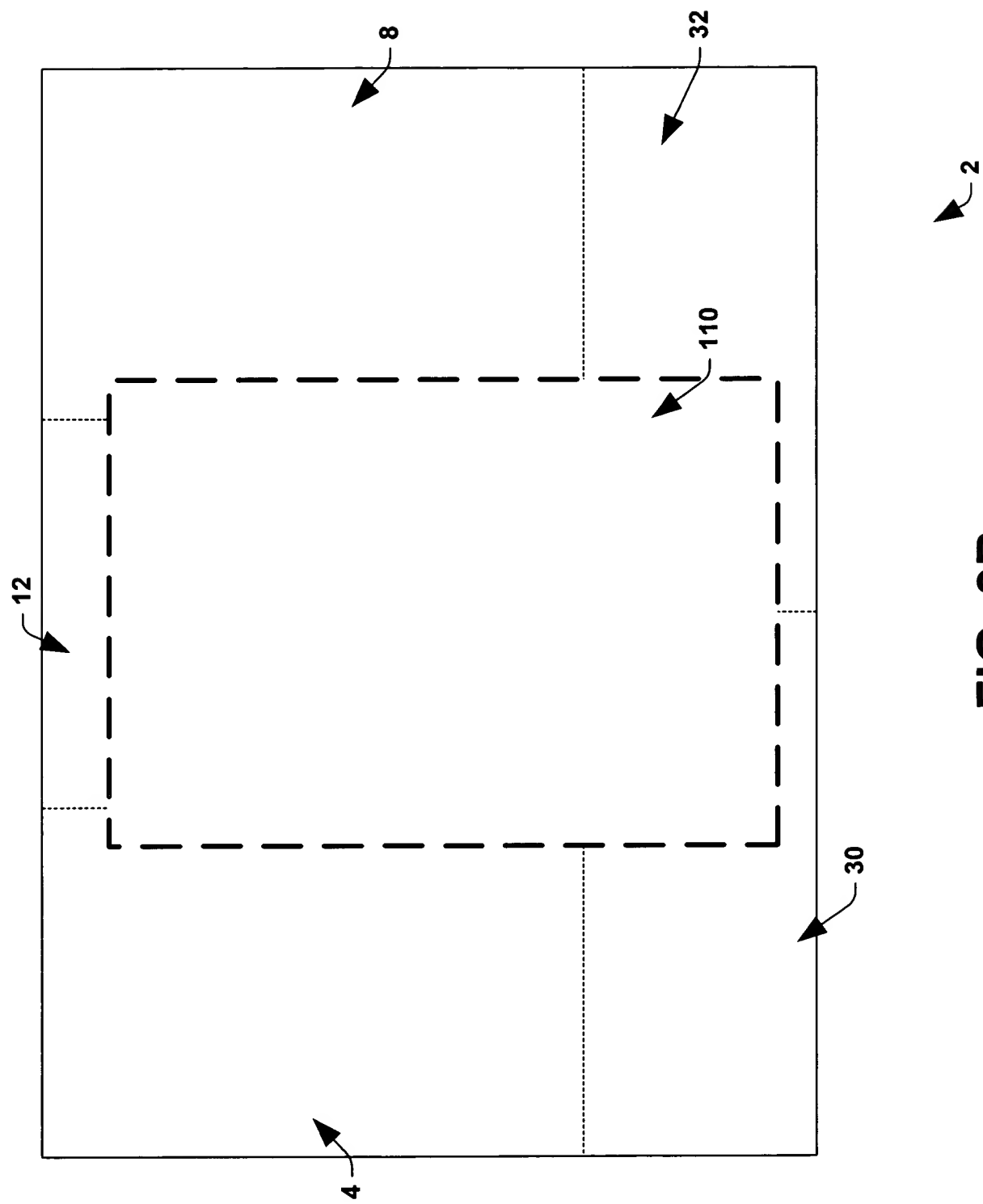


FIG. 9A



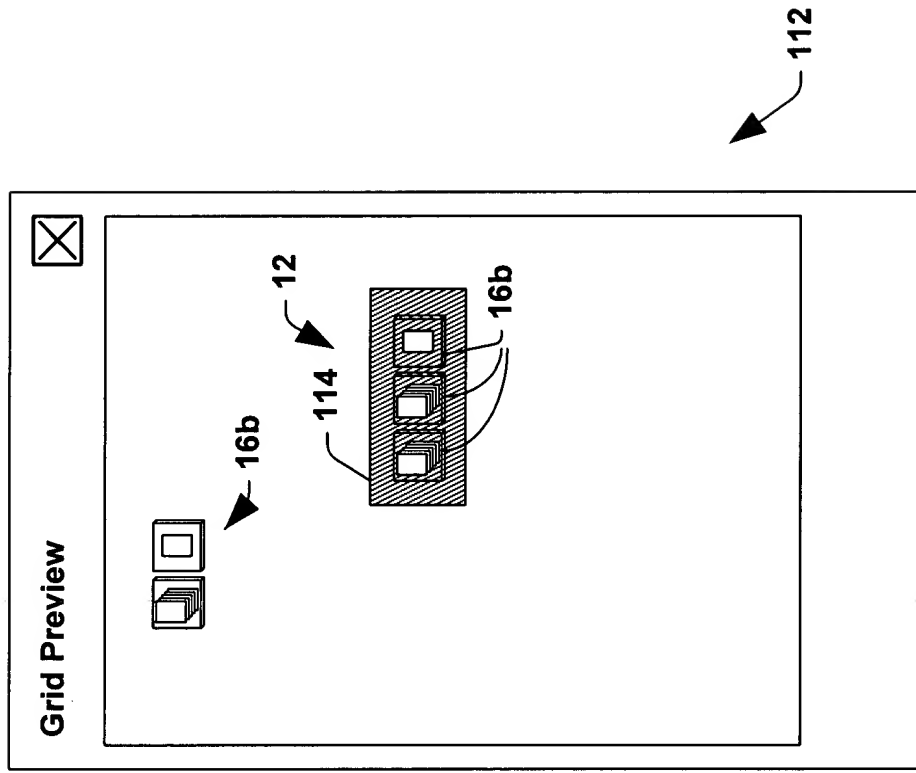


FIG. 9C

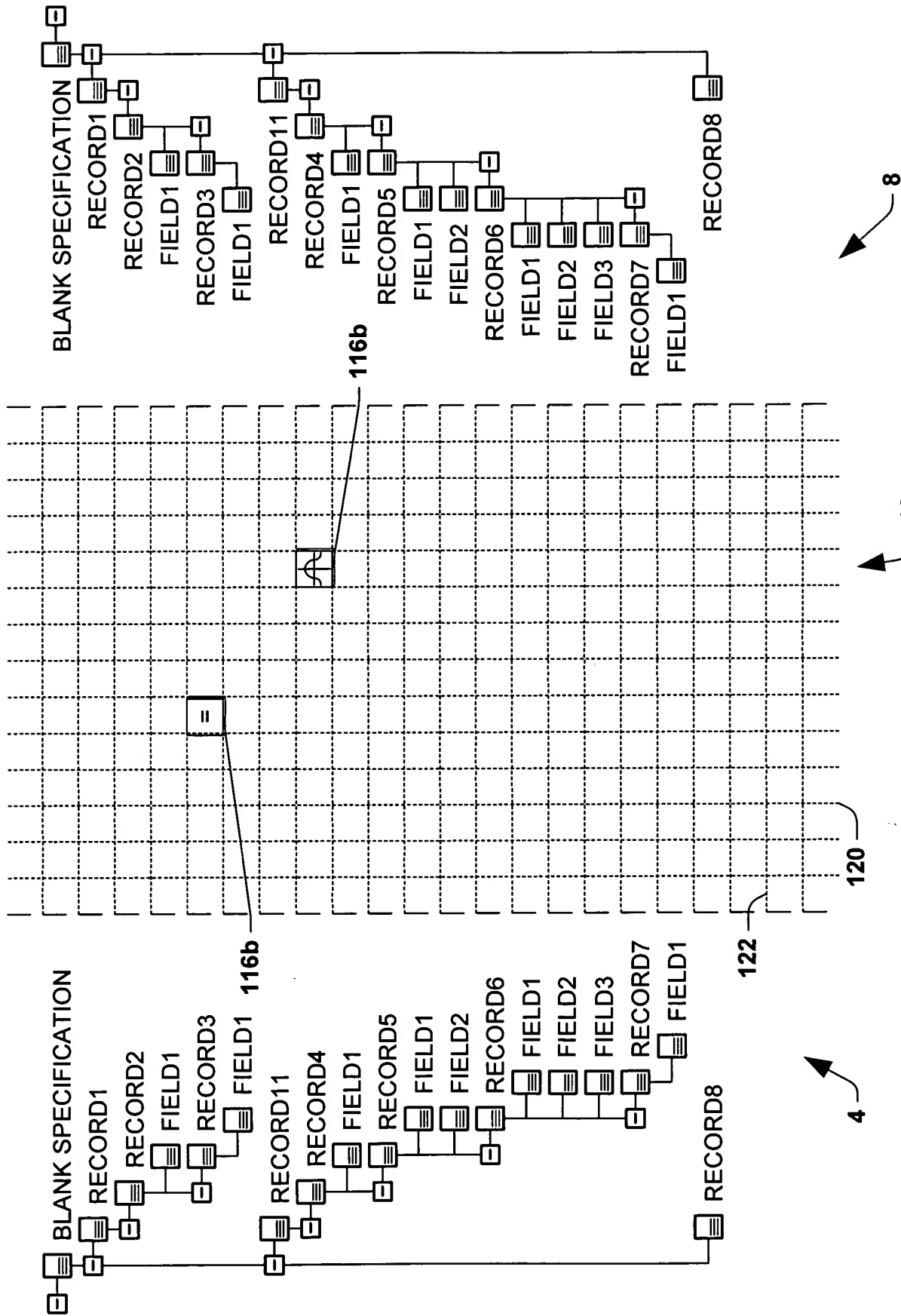


FIG. 9D

FIG. 9E

FIG. 10A is a schematic diagram of a data structure 8, showing a hierarchy of records and fields. The structure is divided into two main sections by a vertical dashed line 12. The left section, labeled 4, contains a 'BLANK SPECIFICATION' and a series of records (RECORD1, RECORD2, RECORD3, RECORD4, RECORD5, RECORD6, RECORD7, RECORD8) and fields (FIELD1, FIELD2, FIELD3). The right section, labeled 8, contains a similar hierarchy. A central processing unit 140 is shown, with a search icon 142 and a magnifying glass icon 144. A box 18a is also present. Arrows indicate the flow of data and the location of specific elements.

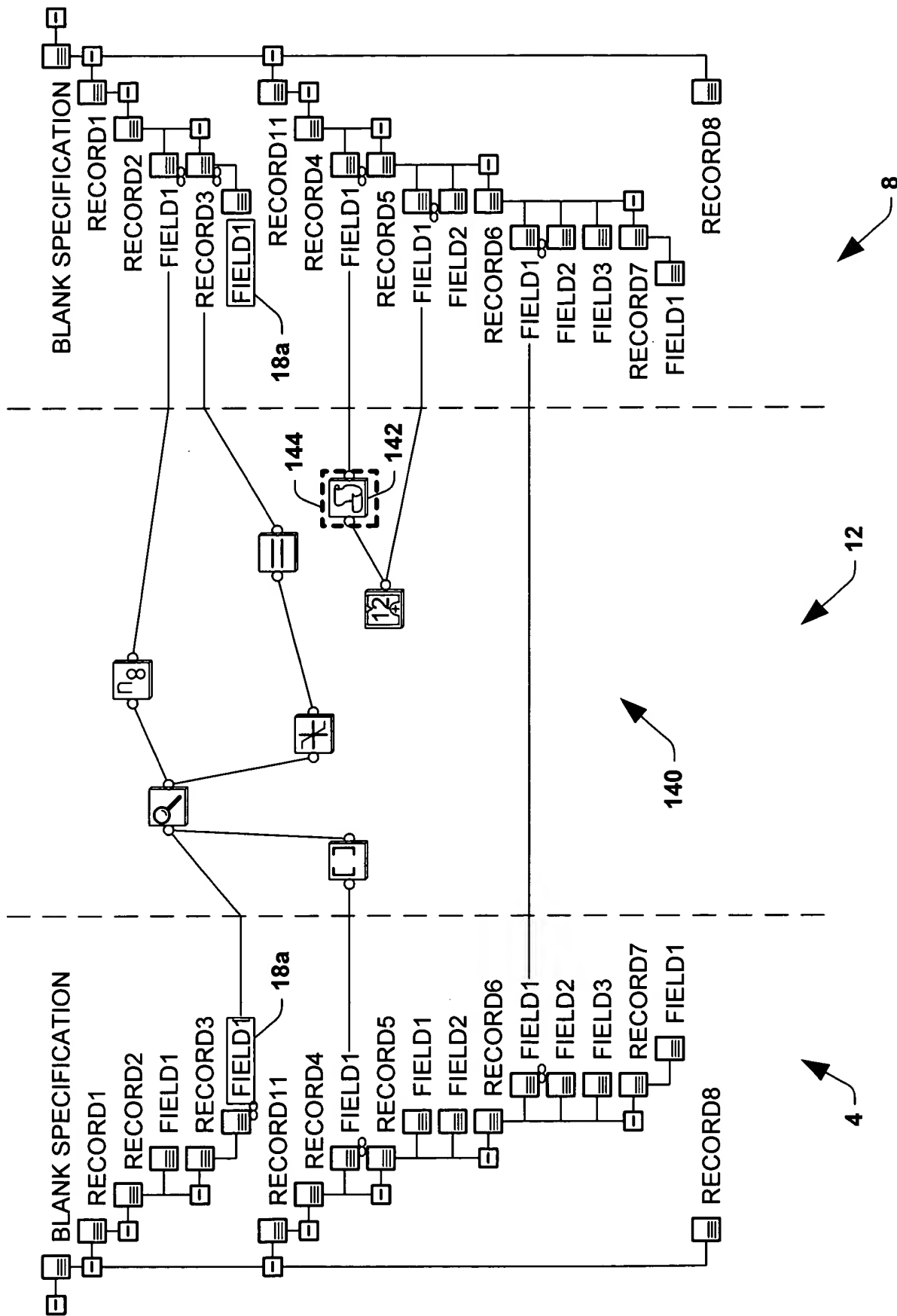


FIG. 10A

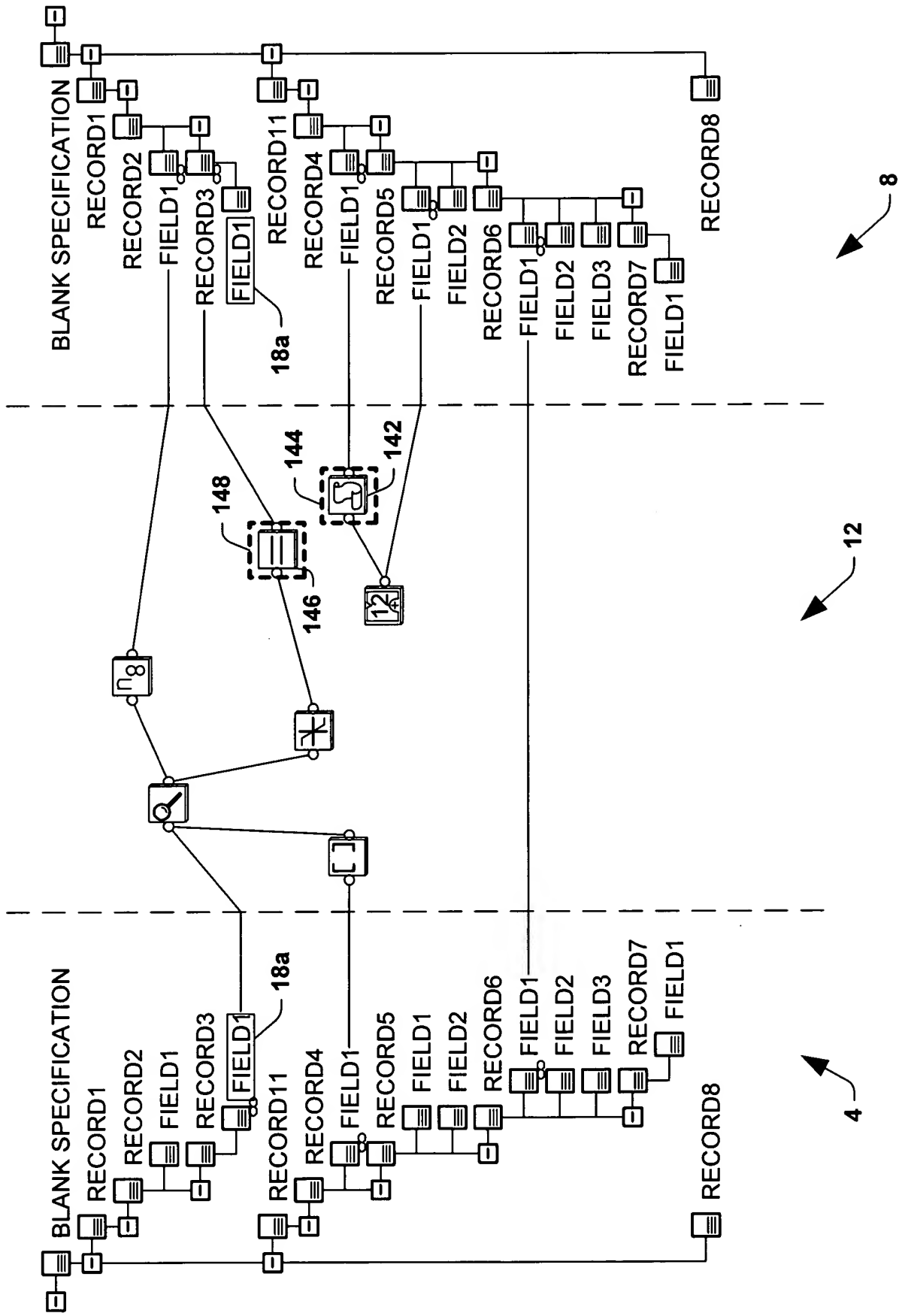


FIG. 10B

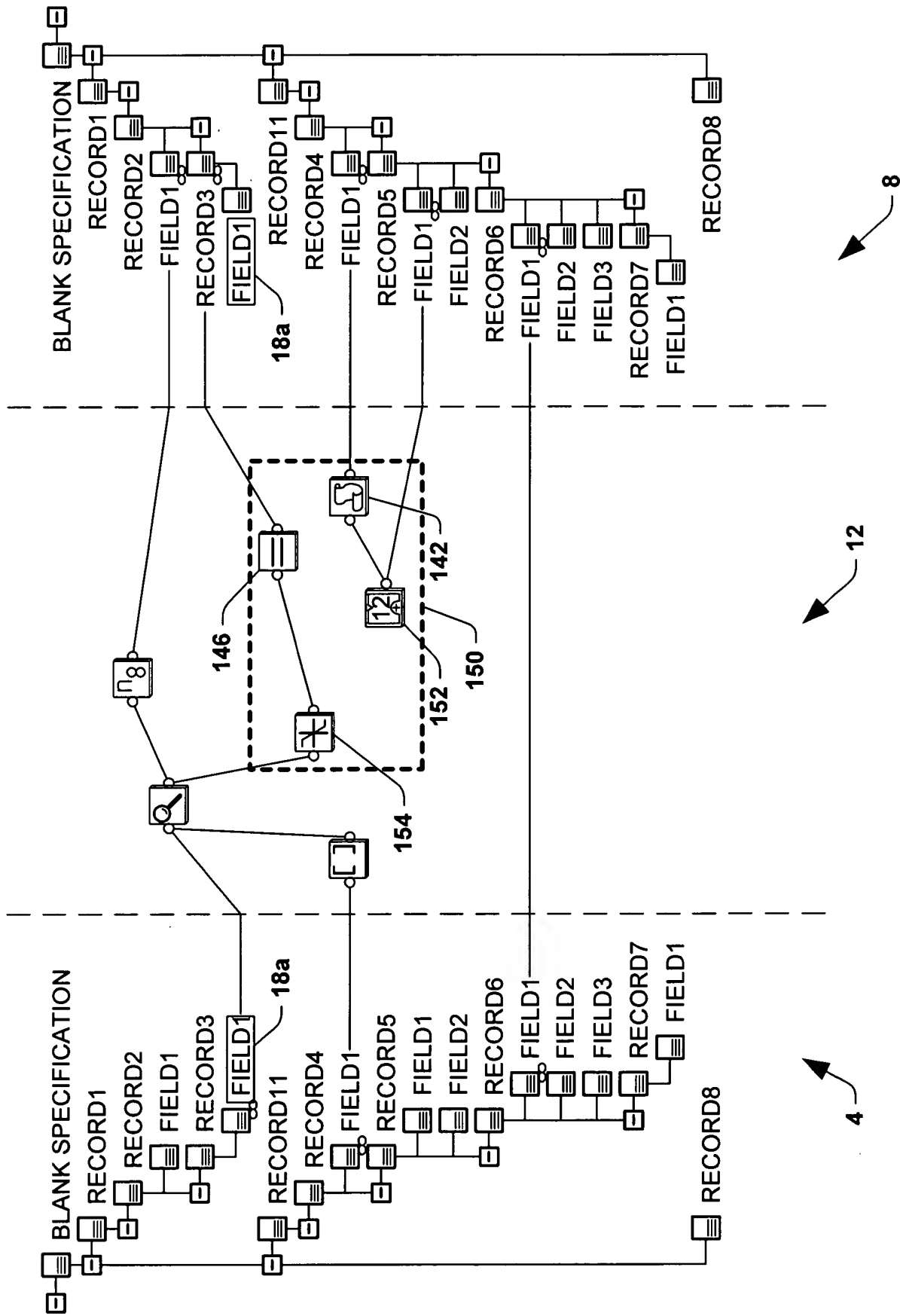


FIG. 10C

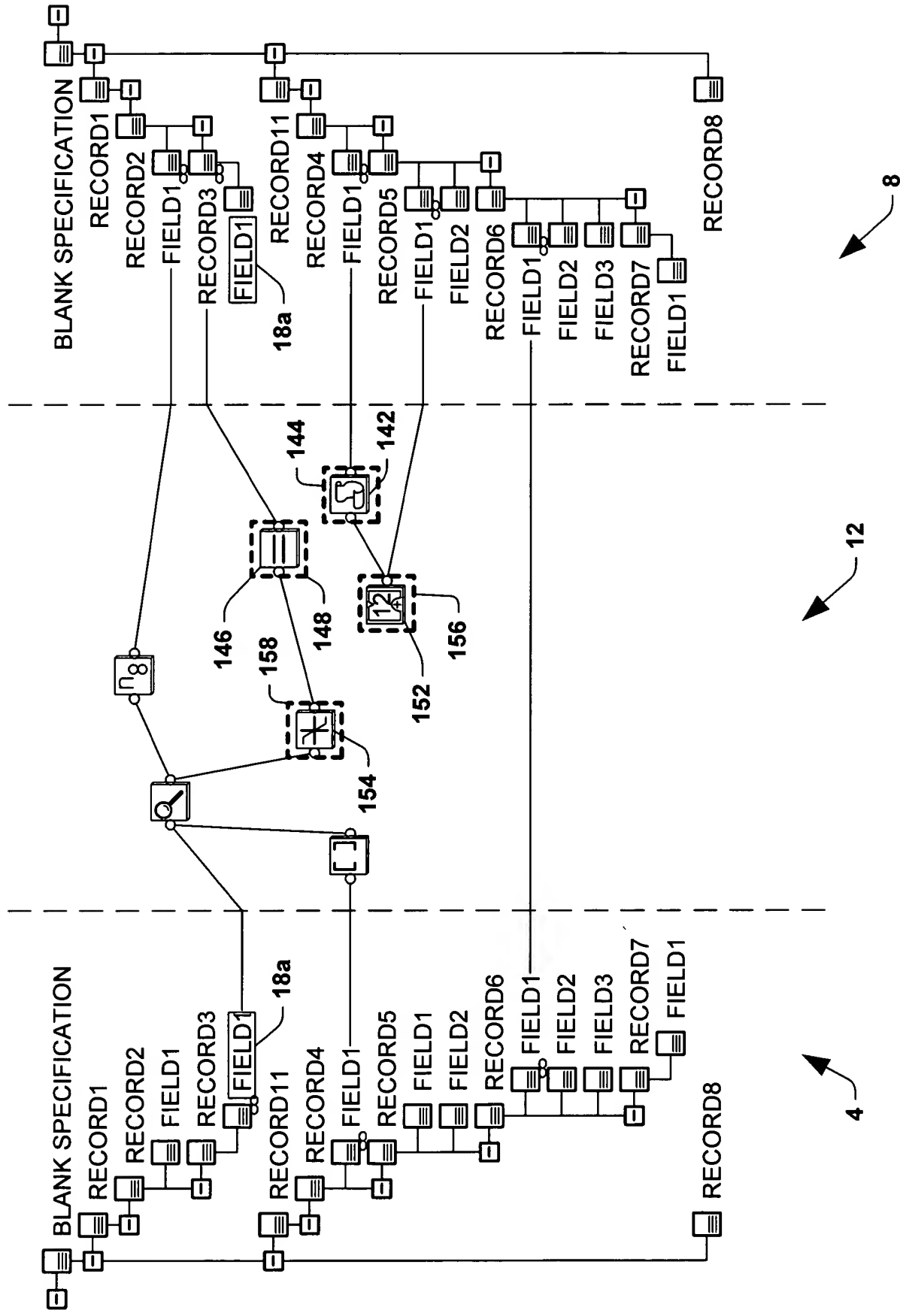


FIG. 10D

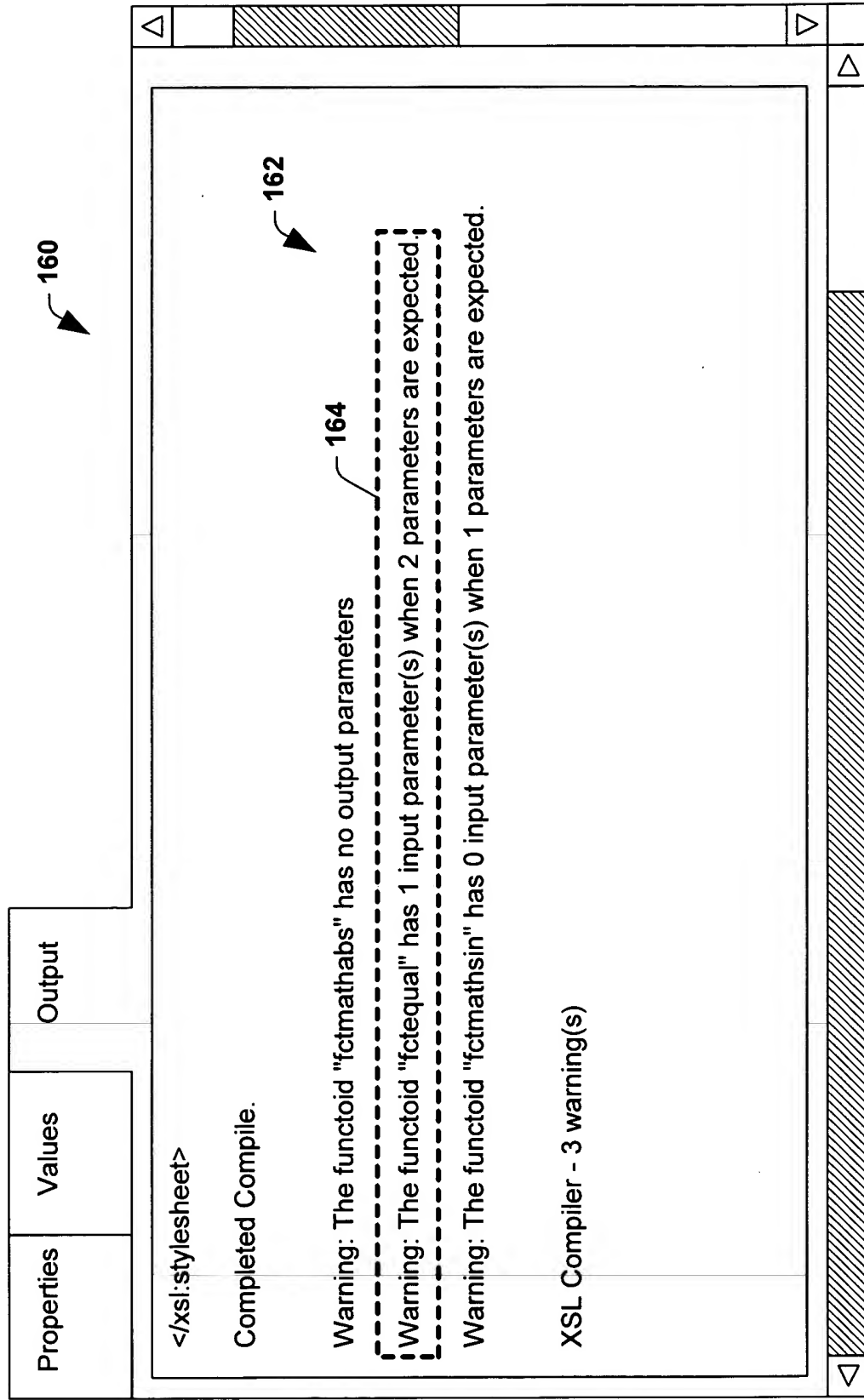


FIG. 11A

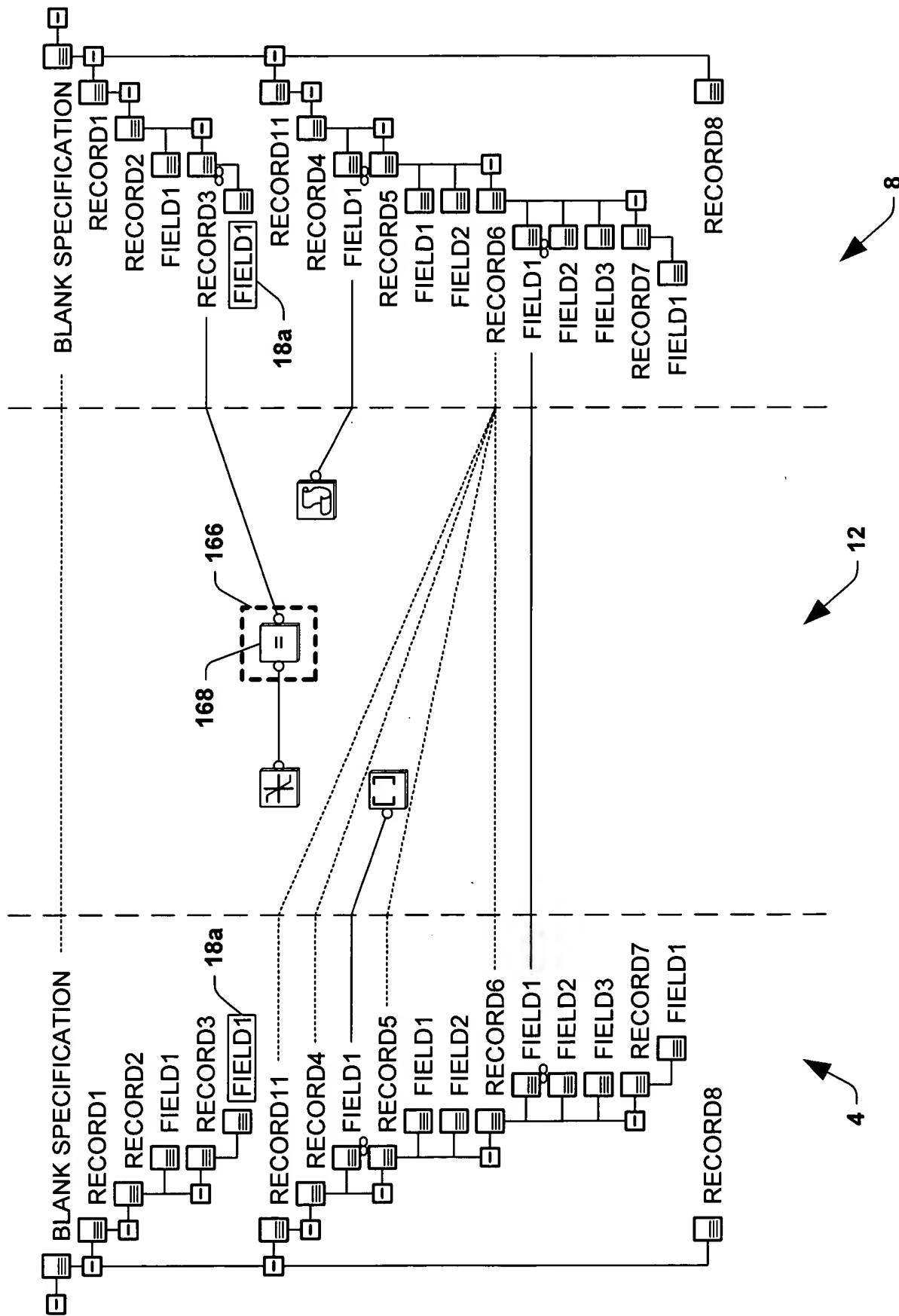


FIG. 11B

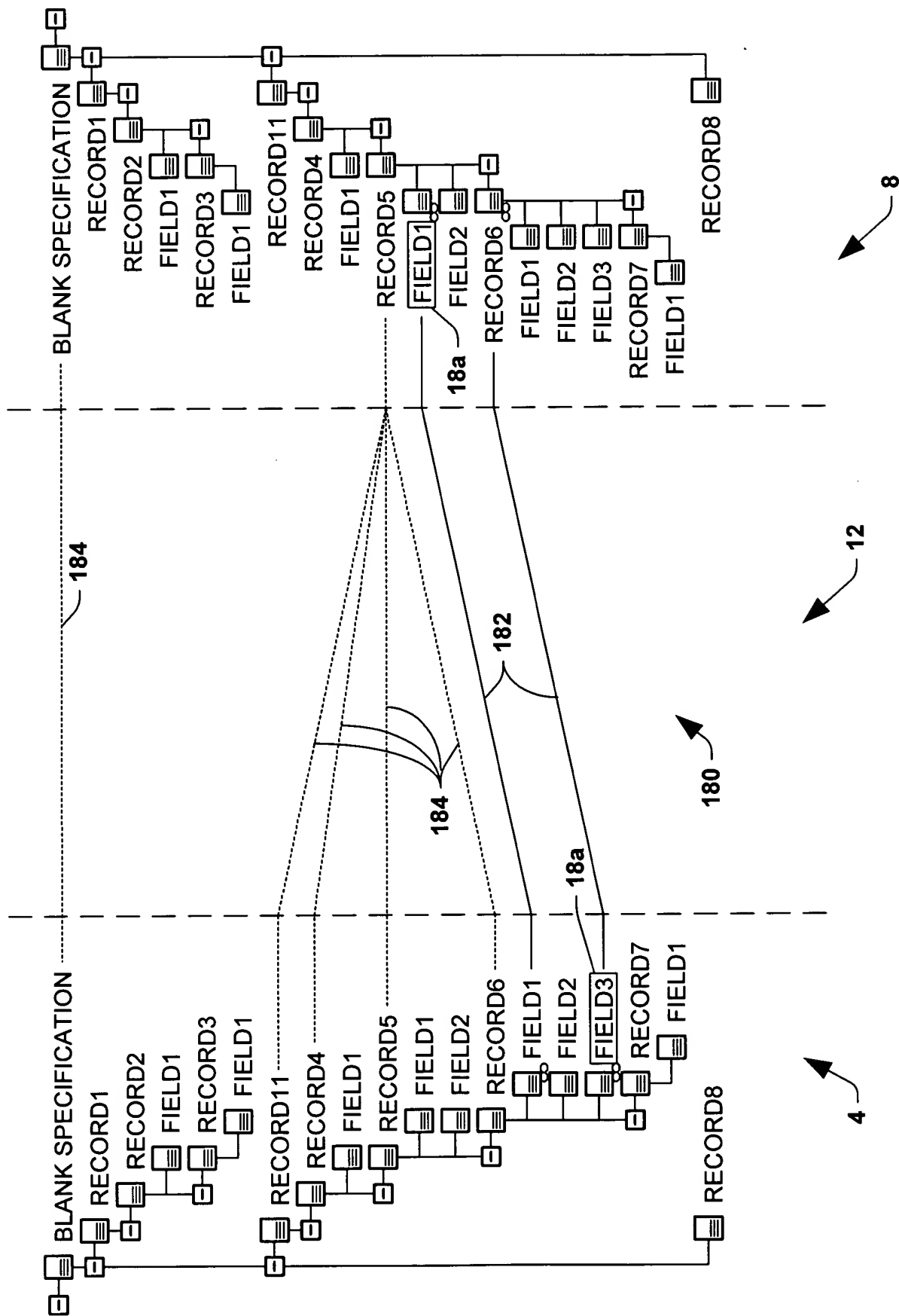


FIG. 12A

FIG. 12B is a schematic diagram of a device 2, showing a top view of a rectangular frame 4. The frame 4 is defined by a solid line. Inside the frame 4, there is a dashed rectangular outline 30. The dashed outline 30 is offset from the solid frame 4. A dashed line 186 is shown within the dashed outline 30, extending from the left side to the right side. The dashed line 186 is positioned in the upper half of the dashed outline 30. A dashed line 12 is shown on the left side of the frame 4, extending from the top to the bottom. A dashed line 8 is shown on the top side of the frame 4, extending from the left to the right. A dashed line 32 is shown on the right side of the frame 4, extending from the top to the bottom. A dashed line 4 is shown on the bottom side of the frame 4, extending from the left to the right. A dashed line 2 is shown on the right side of the frame 4, extending from the top to the bottom.

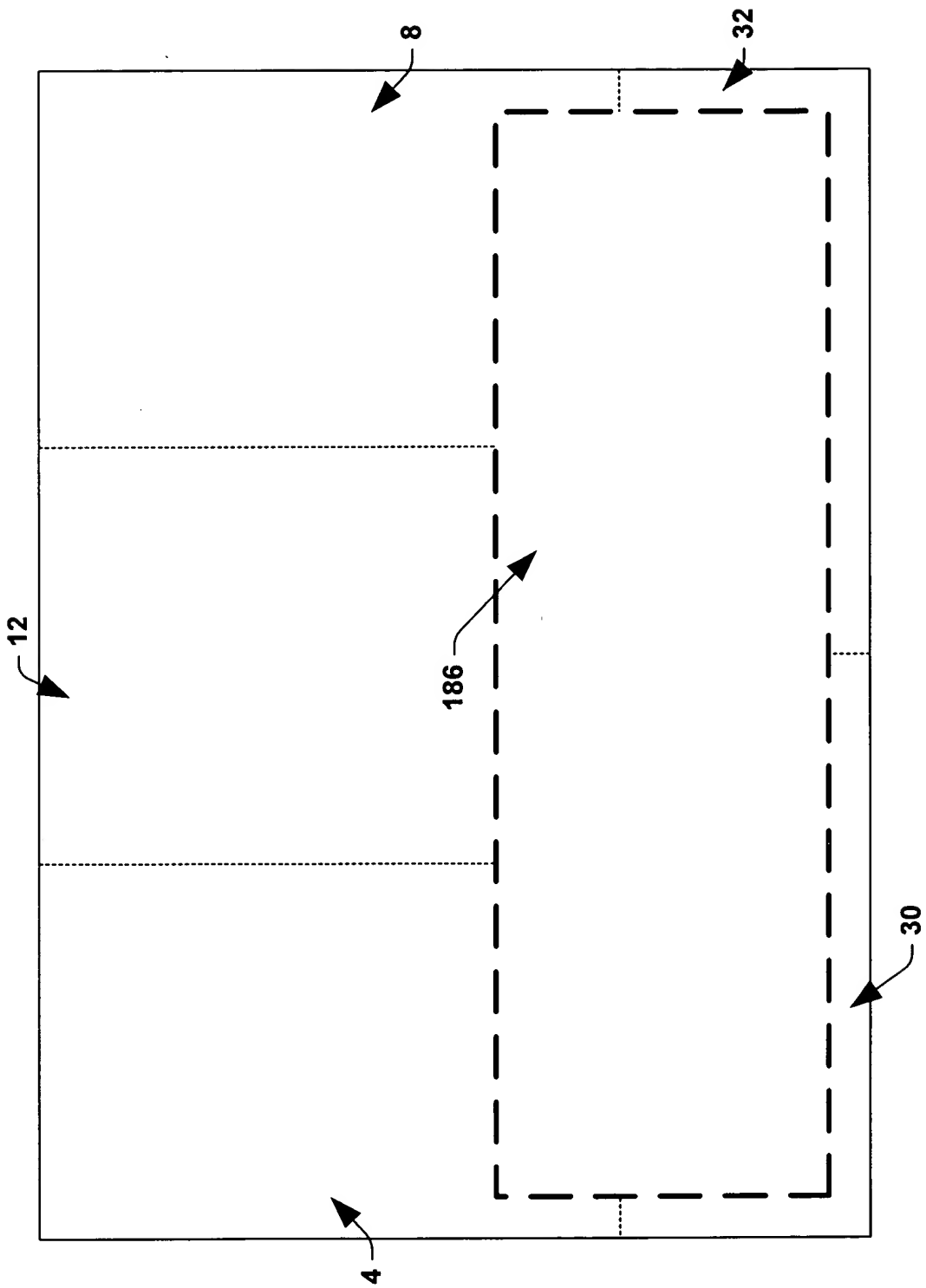


FIG. 12B

FIG. 12C is a screenshot of a user interface for a test management system. The interface displays a table with columns for Properties, Values, and Output. The table contains one row with the value "Good Evening" under the Values column. The interface also includes a "Destination constant value" field and a "Source Test Value" field. The interface is labeled 188.

188

Properties	Values	Output
	Good Evening	

Destination constant value

Source Test Value

FIG. 12C

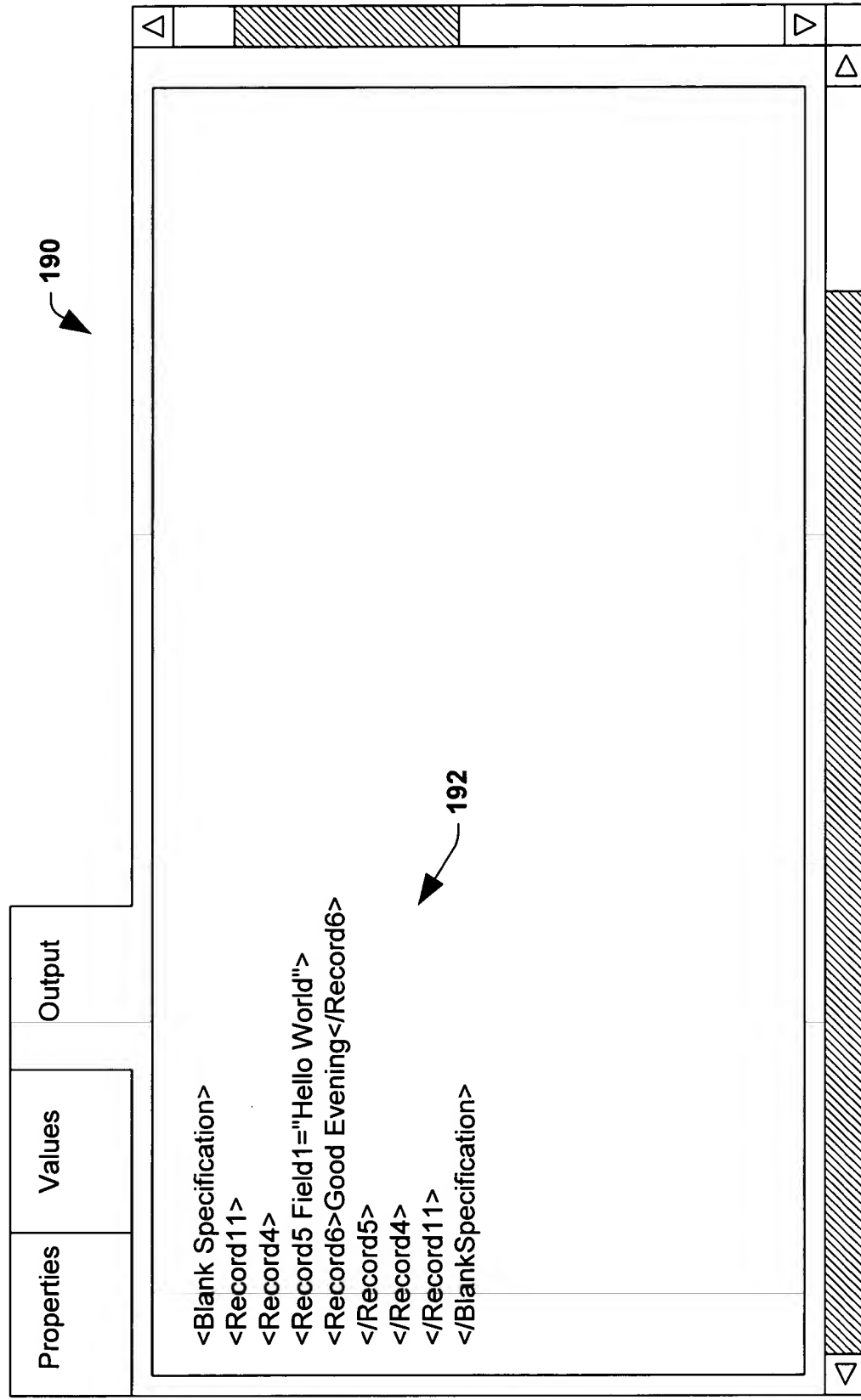


FIG. 12D

200 →

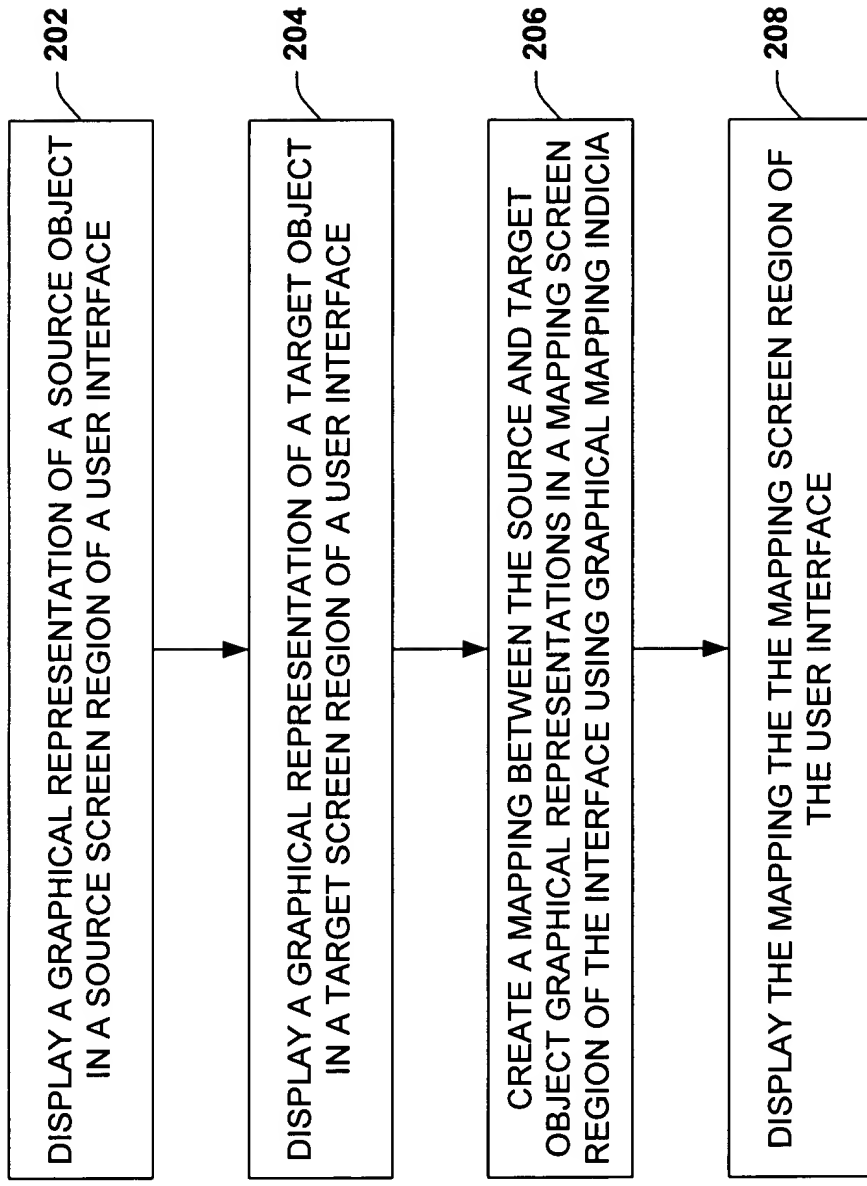


FIG. 13

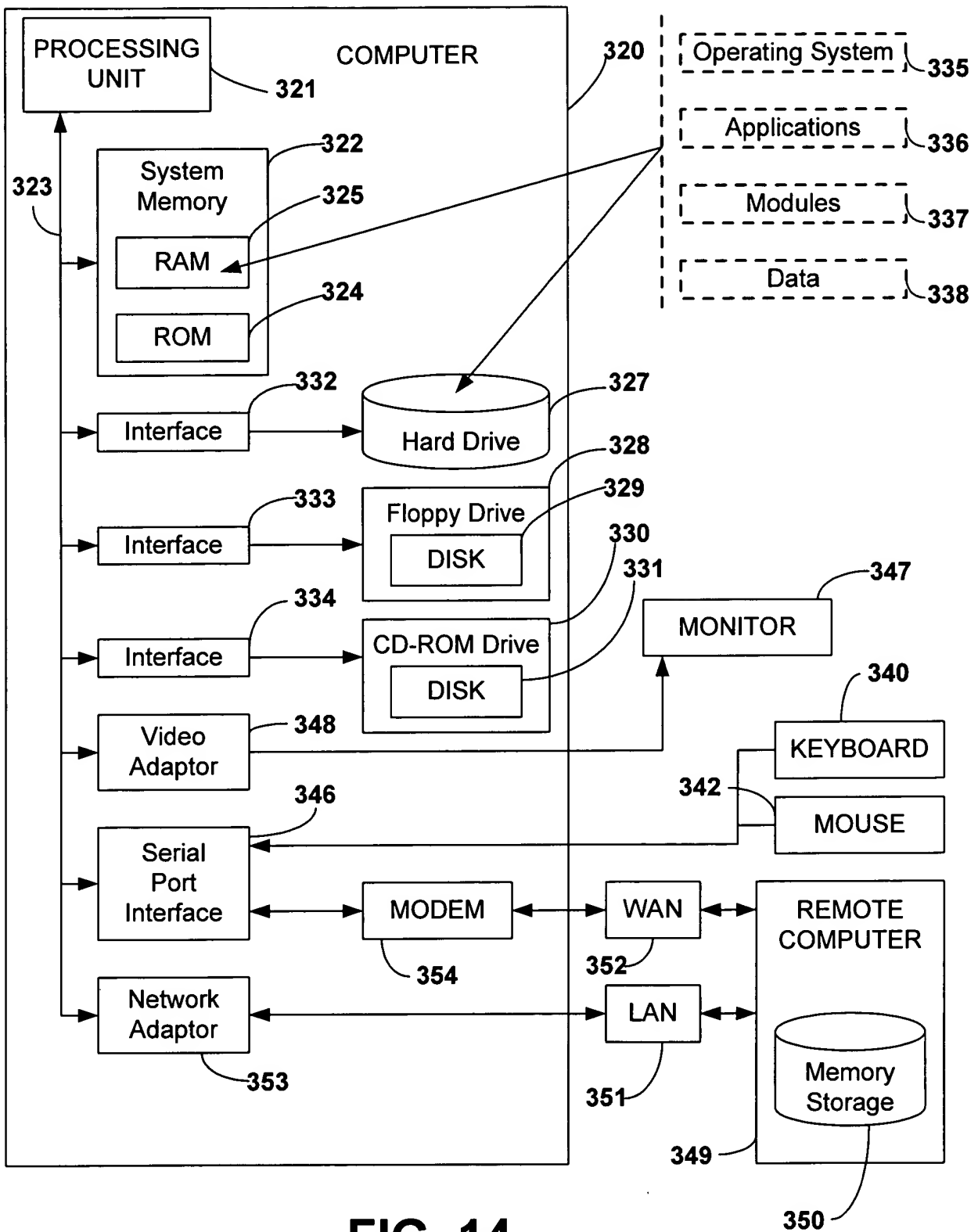


FIG. 14